Table 1 Surfacewater Analytical Data - Region 6 Upper Animas River

					Location	Aztec Water Intake	
					Sample ID	Aztec Water Intake	
	CACAGO				Date	8/6/2015	
Analyte	CAS.NO	Units	Danis	A I4	-		
Metals, Dissolved			Recreationa 1 RSL	Agricultur e			
Aluminum, Dissolved	7429-90-5	mg/l	170000			0.041 J	
Antimony, Dissolved	7440-36-0					0.0012 J	
Arsenic, Dissolved	7440-38-2		50	100		0.0005	
Barium, Dissolved	7440-39-3		33000			0.075	
Beryllium, Dissolved	7440-41-7		330	100		< 0.00002 U	
Cadmium, Dissolved	7440-43-9		83	10		0.00003 J	
Calcium, Dissolved	7440-70-2					59.1	
Chromium, Dissolved	7440-47-3		210000	100		0.0036	
Cobalt, Dissolved	7440-48-4		50			0.0001	
Copper, Dissolved	7440-50-8		6700	100		0.0014	
ron, Dissolved	7439-89-6		120000			0.005 J	
Lead, Dissolved	7439-92-1		200	100		0.00006 J	
Magnesium, Dissolved	7439-95-4					9.16	
Manganese, Dissolved	7439-96-5		7800	200		0.029	
Mercury, Dissolved	7439-97-6					0.00007 J	
Molybdenum, Dissolved	7439-98-7					0.0012	
Nickel, Dissolved	7440-02-0		330	200		0.0022	
Potassium, Dissolved	7440-09-7					2.33	
Selenium, Dissolved	7782-49-2			20		0.0006 J	
Silver, Dissolved	7440-22-4					< 0.00003 U	
Sodium, Dissolved	7440-23-5					16	
Thallium, Dissolved	7440-28-0		1.7			0.0001	
Vanadium, Dissolved	7440-62-2		830			0.0012	
Zinc, Dissolved	7440-66-6		50000			0.026 J	
Metals, Total							
Aluminum, Total	7429-90-5	mg/l				0.982	
Antimony, Total	7440-36-0					0.0007	
Arsenic, Total	7440-38-2	mg/l				0.0009	
Barium, Total	7440-39-3	mg/l				0.0977	
Beryllium, Total	7440-41-7	mg/l				0.00009 J	
Cadmium, Total	7440-43-9					0.0002	
Calcium, Total	7440-70-2					59.9	
Chromium, Total	7440-47-3					0.0004 J	
Cobalt, Total	7440-48-4					0.0007	
Copper, Total	7440-50-8	mg/l				0.0044	
ron, Total	7439-89-6					0.977	
Lead, Total	7439-92-1	mg/l				0.005	
Magnesium, Total	7439-95-4					9.39	
Manganese, Total	7439-96-5					0.12	
Mercury, Total	7439-97-6	mg/l				< 0.00002 U	
Molybdenum, Total	7439-98-7					0.0012	
Nickel, Total	7440-02-0	mg/l				0.0029	

Potassium, Total	7440-09-7	mg/l		Potassium, Total	7440-09-7
Selenium, Total	7782-49-2	mg/l		Selenium, Total	7782-49-2
Silver, Total	7440-22-4	mg/l		Silver, Total	7440-22-4
Sodium, Total	7440-23-5	mg/l		Sodium, Total	7440-23-5
Thallium, Total	7440-28-0	mg/l		Thallium, Total	7440-28-0
Vanadium, Total	7440-62-2	mg/l		Vanadium, Total	7440-62-2
Zinc, Total	7440-66-6	mg/l		Zinc, Total	7440-66-6
General				General	,
Alkalinity	STL00171	mg/L		Alkalinity	STL00171
Chloride	16887-00-6	mg/L		Chloride	16887-00-6
Fluoride	16984-48-8	mg/L		Fluoride	16984-48-8
Nitrate as N	14797-55-8	mg/L		Nitrate as N	14797-55-8
рН	STL00204	SU		рН	STL00204
Sulfate	14808-79-8	mg/L		Sulfate	14808-79-8
Total Dissolved Solids	STL00242	mg/L		Total Dissolved Solids	STL00242
Total Hardness	STL00009	mg/L		Total Hardness	STL00009
Total Suspended Solids	STL00161	mg/L		Total Suspended Solids	STL00161

Bold - Bolded results identify a detected value.

J - Data Estimated qualifier (also applied to all data less than PQL, greater than or equal to MDL) - Data Estimated qualifier (also applied to all

MDL - Method Detection Limit MDL - Method Detection Limit

PQL - Practical Quantitation Limit, also known as reporting limit.

PQL - Practical Quantitation Limit, also known

U - Analyte not detected at or above MDL qualifier U - Analyte not detected at or above MDL qua

D - Diluted value qualifier. D - Diluted value qualifier.

mg/L - Parts per million (millligrams per liter). Solids equivalent = mg/Kg. mg/L - Parts per million (millligrams per liter)

ug/L - Parts per billion (micrograms per liter). Solids equivalent = ug/Kg ug/L - Parts per billion (micrograms per liter).

Highlighted cells denote results that exceed the lowest benchmark value

Highlighted cells denote results that excee

Bold - Bolded results identify a detected valu

			=	**		•
			Location	Aztec Water Intake	Farmington Water Intake	ADWS-IT1
			Sample ID	Aztec Water Intake	Farmington Water Intake	ADWS-IT1-150807-21
			Date	8/6/2015	8/6/2015	8/7/2015
Units					1 7	, ,
Contract to the second	Recreationa	Agricultur	The second secon	The second secon		According to the Control State of Proposition (Control State Of Control St
	1 RSL	- e				
mg/l	170000			0.041 J	0.044 J	0.032 J
mg/l				0.0012 J	0.0007 J	< 0.001 U
mg/l	50	100		0.0005	0.0006	0.00052 J
mg/l	33000			0.075	0.0698	0.066
mg/l	330	100		< 0.00002 U	< 0.00002 U	< 0.0004 U
mg/l	83	10		0.00003 J	0.00002 J	< 0.0001 U
mg/l				59.1	62	58
mg/l	210000	100		0.0036	0.0035	< 0.002 U
mg/l	50			0.0001	0.0002	0.00012 J
mg/l	6700	100		0.0014	0.0014	0.001
mg/l	120000			0.005 J	< 0.003 U	< 0.05 U
mg/l	200	100		0.00006 J	0.00005 J	< 0.0003 U
mg/l				9.16	9.58	8.5
mg/l	7800	200		0.029	0.036	0.0071
mg/l				0.00007 J	0.00003 J	< 0.0002 U
mg/l				0.0012	0.0012	0.001
mg/l	330	200		0.0022	0.0021	0.0014
mg/l				2.33	2.54	2.2
mg/l		20		0.0006 J	0.0007 J	< 0.002 U
mg/l				< 0.00003 U	< 0.00003 U	< 0.001 U
mg/l				16	19.8	14
mg/l	1.7			0.0001	0.0001	< 0.0002 U
mg/l	830			0.0012	0.0014	0.00032 J
mg/l	50000			0.026 J	0.027 J	< 0.02 U
mg/l				0.982	2.53	0.6
mg/l				0.0007	0.0003 J	< 0.001 U
mg/l				0.0009	0.0011	0.00061 J
mg/l				0.0977	0.0987	0.071
mg/l				0.00009 J	0.0002 J	< 0.0004 U
mg/l				0.0002	0.0002	0.000099 J
mg/l				59.9	63.1	58
mg/l				0.0004 J	0.0011	< 0.002 U
mg/l				0.0007	0.0011	0.00032 J
mg/l				0.0044	0.0055	0.0024
mg/l				0.977	2.06	0.48
mg/l				0.005	0.006	0.002
mg/l				9.39	9.88	8.5
mg/l				0.12	0.158	0.06
mg/l				< 0.00002 U	< 0.00002 U	< 0.0002 U
mg/l				0.0012	0.0011	0.0011
mg/l				0.0029	0.0038	0.0016

Potassium, Total	7440-09-7	mg/l		mg/l
Selenium, Total	7782-49-2	mg/l		mg/l
Silver, Total	7440-22-4	mg/l		mg/l
Sodium, Total	7440-23-5	mg/l		mg/l
Thallium, Total	7440-28-0	mg/l		mg/l
Vanadium, Total	7440-62-2	mg/l		mg/l
Zinc, Total	7440-66-6	mg/l		mg/l
General				
Alkalinity	STL00171	mg/L		mg/L
Chloride	16887-00-6	mg/L		mg/L
Fluoride	16984-48-8	mg/L		mg/L
Nitrate as N	14797-55-8	mg/L		mg/L
рΗ	STL00204	SU		SU
Sulfate	14808-79-8	mg/L		mg/L
Total Dissolved Solids	STL00242	mg/L		mg/L
Total Hardness	STL00009	mg/L		mg/L
Total Suspended Solids	STL00161	mg/L		mg/L

Bold - Bolded results identify a detected value.

J - Data Estimated qualifier (also applied to all data less than PQL, greater than or equal to MDL) data less than PQL, greater than or equal to M

MDL - Method Detection Limit

PQL - Practical Quantitation Limit, also known as reporting limit. as reporting limit.

U - Analyte not detected at or above MDL qualifier lifier

D - Diluted value qualifier.

mg/L - Parts per million (millligrams per liter). Solids equivalent = mg/Kg.

ug/L - Parts per billion (micrograms per liter). Solids equivalent = ug/Kg

Solids equivalent = ug/Kg

Highlighted cells denote results that exceed the lowest benchmark value d the lowest benchmark value

Location	Aztec Water Intake	Farmington Water Intake	ADWS-IT1	ADWS-IT1
Sample ID	Aztec Water Intake	Farmington Water Intake	ADWS-IT1-150807-21	ADWS-IT1-150807-22
Date	8/6/2015	8/6/2015	8/7/2015	8/7/2015
Date	0,0,000	7,-,,	7,1,-7-3	-,.,
			L	I and the second
			II	
	0.041 J	0.044 J	0.032 J	0.034 J
	0.0012 J	0.0007 J	< 0.001 U	< 0.001 U
	0.0005	0.0006	0.00052 J	0.00057 J
	0.075	0.0698	0.066	0.066
	< 0.00002 U	< 0.00002 U	< 0.0004 U	< 0.0004 U
	0.00003 J	0.00002 J	< 0.0001 U	< 0.0001 U
	59.1	62	58	58
	0.0036	0.0035	< 0.002 U	< 0.002 U
	0.0001	0.0002	0.00012 J	0.00013 J
	0.0014	0.0014	0.001	0.0011
	0.005 J	< 0.003 U	< 0.05 U	< 0.05 U
	0.00006 J	0.00005 J	< 0.0003 U	< 0.0003 U
	9.16	9.58	8.5	8.5
	0.029	0.036	0.0071	0.0078
	0.00007 J	0.00003 J	< 0.0002 U	< 0.0002 U
	0.0012	0.0012	0.001	0.0011
	0.0022	0.0021	0.0014	0.0014
	2.33	2.54	2.2	2.2
	0.0006 J	0.0007 J	< 0.002 U	< 0.002 U
	< 0.00003 U	< 0.00003 U	< 0.001 U	< 0.001 U
	16	19.8	14	14
	0.0001	0.0001	< 0.0002 U	< 0.0002 U
	0.0012	0.0014	0.00032 J	< 0.001 U
	0.026 J	0.027 J	< 0.02 U	< 0.02 U
	0.982	2.53	0.6	0.66
	0.0007	0.0003 J	< 0.001 U	< 0.001 U
	0.0009	0.0011	0.00061 J	0.00084 J
	0.0977	0.0987	0.071	0.072
	0.00009 J	0.0002 J	< 0.0004 U	< 0.0004 U
	0.0002	0.0002	0.000099 J	0.00011
	59.9	63.1	58	58
	0.0004 J	0.0011	< 0.002 U	< 0.002 U
	0.0007	0.0011	0.00032 J	0.00035 J
	0.0044	0.0055	0.0024	0.0027
	0.977	2.06	0.48	0.53
	0.005	0.006	0.002	0.0022
	9.39	9.88	8.5	8.5
	0.12	0.158	0.06	0.065
	< 0.00002 U	< 0.00002 U	< 0.0002 U	< 0.0002 U
	0.0012	0.0011	0.0011	0.001

Potassium, Total	7440-09-7	mg/l		 2.68
Selenium, Total	7782-49-2	mg/l		 0.0004 J
Silver, Total	7440-22-4	mg/l		 < 0.00003 U
Sodium, Total	7440-23-5	mg/l		 15.9
Thallium, Total	7440-28-0	mg/l		 0.0001
Vanadium, Total	7440-62-2	mg/l		 0.0017
Zinc, Total	7440-66-6	mg/l		 0.059
General			 	•
Alkalinity	STL00171	mg/L		
Chloride	16887-00-6	mg/L		
Fluoride	16984-48-8	mg/L		
Nitrate as N	14797-55-8	mg/L		
рН	STL00204	SU		
Sulfate	14808-79-8	mg/L		
Total Dissolved Solids	STL00242	mg/L		
Total Hardness	STL00009	mg/L		
Total Suspended Solids	STL00161	mg/L		

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D - Diluted value qualifier.

mg/L - Parts per million (milligrams per liter). Solids equivalent = mg/Kg.

ug/L - Parts per billion (micrograms per liter). Solids equivalent = ug/Kg

					Location	Farmington Water Intake
					Sample ID	Farmington Water Intake
	10,000				Date	8/6/2015
Analyte	CAS.NO		D	A I/		
Metals, Dissolved			Recreationa I RSL	Agriculur e		
Aluminum, Dissolved	7429-90-5	mg/l	170000			0.044 J
Antimony, Dissolved	7440-36-0		170000			0.0007 J
Arsenic, Dissolved	7440-38-2		50	100		0.0006
Barium, Dissolved	7440-39-3		33000	100		0.0698
Beryllium, Dissolved	7440-41-7		330	100		< 0.00002 U
Cadmium, Dissolved	7440-43-9		83	10		0.00002 J
Calcium, Dissolved	7440-70-2					62
Chromium, Dissolved	7440-47-3		210000	100		0.0035
Cobalt, Dissolved	7440-48-4	- ·	50			0.0002
Copper, Dissolved	7440-50-8		6700	100		0.0014
ron, Dissolved	7439-89-6		120000			< 0.003 U
Lead, Dissolved	7439-92-1		200	100		0.00005 J
Magnesium, Dissolved	7439-95-4					9.58
Manganese, Dissolved	7439-96-5		7800	200		0.036
Mercury, Dissolved	7439-97-6	<u> </u>				0.00003 J
Molybdenum, Dissolved	7439-98-7	mg/l				0.0012
Nickel, Dissolved	7440-02-0		330	200		0.0021
Potassium, Dissolved	7440-09-7	mg/l				2.54
Selenium, Dissolved	7782-49-2			20		0.0007 J
Silver, Dissolved	7440-22-4					< 0.00003 U
Sodium, Dissolved	7440-23-5					19.8
Thallium, Dissolved	7440-28-0	mg/l	1.7			0.0001
Vanadium, Dissolved	7440-62-2	mg/l	830			0.0014
Zinc, Dissolved	7440-66-6	mg/l	50000			0.027 J
Metals, Total						
Aluminum, Total	7429-90-5	mg/l				2.53
Antimony, Total	7440-36-0	mg/l				0.0003 J
Arsenic, Total	7440-38-2	mg/l				0.0011
Barium, Total	7440-39-3	mg/l				0.0987
Beryllium, Total	7440-41-7	mg/l				0.0002 J
Cadmium, Total	7440-43-9	mg/l				0.0002
Calcium, Total	7440-70-2	mg/l				63.1
Chromium, Total	7440-47-3	mg/l				0.0011
Cobalt, Total	7440-48-4	mg/l				0.0011
Copper, Total	7440-50-8	mg/l				0.0055
ron, Total	7439-89-6	mg/l				2.06
Lead, Total	7439-92-1	mg/l				0.006
Magnesium, Total	7439-95-4	mg/l				9.88
Manganese, Total	7439-96-5	mg/l				0.158
Mercury, Total	7439-97-6	mg/l				< 0.00002 U
Molybdenum, Total	7439-98-7	mg/l				0.0011
Nickel, Total	7440-02-0	mg/l				0.0038

Potassium, Total	7440-09-7	mg/l		3.01
Selenium, Total	7782-49-2	mg/l		0.0004 J
Silver, Total	7440-22-4	mg/l		< 0.00003 U
Sodium, Total	7440-23-5	mg/l		19.8
Thallium, Total	7440-28-0	mg/l		0.0001
Vanadium, Total	7440-62-2	mg/l		0.0036
Zinc, Total	7440-66-6	mg/l		0.062
General		-	•	
Alkalinity	STL00171	mg/L		
Chloride	16887-00-6	mg/L		
Fluoride	16984-48-8	mg/L		
Nitrate as N	14797-55-8	mg/L		
рΗ	STL00204	SU		
Sulfate	14808-79-8	mg/L		
Total Dissolved Solids	STL00242	mg/L		
Total Hardness	STL00009	mg/L		
Total Suspended Solids	STL00161	mg/L		

Bold - Bolded results identify a detected value.

J - Data Estimated qualifier (also applied to all data less than PQL, greater than or equal to MDL)

MDL - Method Detection Limit

PQL - Practical Quantitation Limit, also known as reporting limit.

U - Analyte not detected at or above MDL qualifier

D - Diluted value qualifier.

mg/L - Parts per million (milligrams per liter). Solids equivalent = mg/Kg.

ug/L - Parts per billion (micrograms per liter). Solids equivalent = ug/Kg

					Location	ADWS-IT1
					Sample ID	ADWS-IT1-150807-2
					Date	8/7/2015
Analyte	CAS.NO	Units			2.00	
	CHORTO	Company of the last of the las	Recreationa	Agricultur	<u> </u>	
Metals, Dissolved			IRSL	e		
Aluminum, Dissolved	7429-90-5	mg/l	170000			0.032 J
Antimony, Dissolved	7440-36-0	mg/l				< 0.001 U
Arsenic, Dissolved	7440-38-2	mg/l	50	100		0.00052 J
Barium, Dissolved	7440-39-3	mg/l	33000			0.066
Beryllium, Dissolved	7440-41-7	mg/l	330	100		< 0.0004 U
Cadmium, Dissolved	7440-43-9	mg/l	83	10		< 0.0001 U
Calcium, Dissolved	7440-70-2	mg/l				58
Chromium, Dissolved	7440-47-3	mg/l	210000	100		< 0.002 U
Cobalt, Dissolved	7440-48-4	mg/l	50			0.00012 J
Copper, Dissolved	7440-50-8	mg/l	6700	100		0.001
ron, Dissolved	7439-89-6	mg/l	120000			< 0.05 U
Lead, Dissolved	7439-92-1	mg/l	200	100		< 0.0003 U
Magnesium, Dissolved	7439-95-4	mg/l				8.5
Manganese, Dissolved	7439-96-5	mg/l	7800	200		0.0071
Mercury, Dissolved	7439-97-6	mg/l				< 0.0002 U
Molybdenum, Dissolved	7439-98-7	mg/l				0.001
Nickel, Dissolved	7440-02-0	mg/l	330	200		0.0014
Potassium, Dissolved	7440-09-7	mg/l				2.2
Selenium, Dissolved	7782-49-2	mg/l		20		< 0.002 U
Silver, Dissolved	7440-22-4	mg/l				< 0.001 U
Sodium, Dissolved	7440-23-5	mg/l				14
Thallium, Dissolved	7440-28-0	mg/l	1.7			< 0.0002 U
Vanadium, Dissolved	7440-62-2	mg/l	830			0.00032 J
Zinc, Dissolved	7440-66-6	mg/l	50000			< 0.02 U
Metals, Total						
Aluminum, Total	7429-90-5	mg/l				0.6
Antimony, Total	7440-36-0	mg/l				< 0.001 U
Arsenic, Total	7440-38-2	mg/l				0.00061 J
Barium, Total	7440-39-3	mg/l				0.071
Beryllium, Total	7440-41-7	mg/l				< 0.0004 U
Cadmium, Total	7440-43-9	mg/l				0.000099 J
Calcium, Total	7440-70-2	mg/l				58
Chromium, Total	7440-47-3	mg/l				< 0.002 U
Cobalt, Total	7440-48-4	mg/l				0.00032 J
Copper, Total	7440-50-8	mg/l				0.0024
ron, Total	7439-89-6	mg/l				0.48
Lead, Total	7439-92-1	mg/l				0.002
Magnesium, Total	7439-95-4	mg/l				8.5
Manganese, Total	7439-96-5	mg/l				0.06
Mercury, Total	7439-97-6	mg/l				< 0.0002 U
Molybdenum, Total	7439-98-7	mg/l				0.0011
Nickel, Total	7440-02-0	mg/l				0.0016

П			
Potassium, Total	7440-09-7	mg/l	 2.3
Selenium, Total	7782-49-2	mg/l	 < 0.002 U
Silver, Total	7440-22-4	mg/l	 < 0.001 U
Sodium, Total	7440-23-5	mg/l	 14
Thallium, Total	7440-28-0	mg/l	 0.00015 J
Vanadium, Total	7440-62-2	mg/l	 0.0008 J
Zinc, Total	7440-66-6	mg/l	 0.02
General			
Alkalinity	STL00171	mg/L	 92
Chloride	16887-00-6	mg/L	
Fluoride	16984-48-8	mg/L	
Nitrate as N	14797-55-8	mg/L	
рН	STL00204	SU	 8.17 HF
Sulfate	14808-79-8	mg/L	
Total Dissolved Solids	STL00242	mg/L	 180
Total Hardness	STL00009	mg/L	 23
Total Suspended Solids	STL00161	mg/L	

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U - Analyte not detected at or above MDL qualifier

D - Diluted value qualifier.

mg/L - Parts per million (milligrams per liter). Solids equivalent = mg/Kg.

ug/L - Parts per billion (micrograms per liter). Solids equivalent = ug/Kg

					Location	ADWS-IT1
					Sample ID	ADWS-IT1-150807-22
					Date	8/7/2015
Analyte	CAS.NO	Units			Date	9,7,2020
	CLIBRIO	Lame	Recreationa	Agricultur	•	
Metals, Dissolved			IRSL	е		
Aluminum, Dissolved	7429-90-5	mg/l	170000			0.034 J
Antimony, Dissolved	7440-36-0					< 0.001 U
Arsenic, Dissolved	7440-38-2		50	100		0.00057 J
Barium, Dissolved	7440-39-3	mg/l	33000			0.066
Beryllium, Dissolved	7440-41-7		330	100		< 0.0004 U
Cadmium, Dissolved	7440-43-9		83	10		< 0.0001 U
Calcium, Dissolved	7440-70-2					58
Chromium, Dissolved	7440-47-3		210000	100		< 0.002 U
Cobalt, Dissolved	7440-48-4		50			0.00013 J
Copper, Dissolved	7440-50-8		6700	100		0.0011
ron, Dissolved	7439-89-6		120000			< 0.05 U
Lead, Dissolved	7439-92-1		200	100		< 0.0003 U
Magnesium, Dissolved	7439-95-4					8.5
Manganese, Dissolved	7439-96-5		7800	200		0.0078
Mercury, Dissolved	7439-97-6					< 0.0002 U
Molybdenum, Dissolved	7439-98-7					0.0011
Nickel, Dissolved	7440-02-0		330	200		0.0014
Potassium, Dissolved	7440-09-7					2.2
Selenium, Dissolved	7782-49-2			20		< 0.002 U
Silver, Dissolved	7440-22-4					< 0.001 U
Sodium, Dissolved	7440-23-5					14
Thallium, Dissolved	7440-28-0		1.7			< 0.0002 U
Vanadium, Dissolved	7440-62-2		830			< 0.001 U
Zinc, Dissolved	7440-66-6		50000			< 0.02 U
Metals, Total		- 0,				
Aluminum, Total	7429-90-5	mg/l				0.66
Antimony, Total	7440-36-0					< 0.001 U
Arsenic, Total	7440-38-2					0.00084 J
Barium, Total	7440-39-3					0.072
Beryllium, Total	7440-41-7					< 0.0004 U
Cadmium, Total	7440-43-9					0.00011
Calcium, Total	7440-70-2					58
Chromium, Total	7440-47-3					< 0.002 U
Cobalt, Total	7440-48-4					0.00035 J
Copper, Total	7440-50-8					0.0027
ron, Total	7439-89-6					0.53
Lead, Total	7439-92-1					0.0022
Magnesium, Total	7439-95-4					8.5
Manganese, Total	7439-96-5					0.065
Mercury, Total	7439-97-6					< 0.0002 U
Molybdenum, Total	7439-98-7					0.001
Nickel, Total	7440-02-0					0.0018

П			
Potassium, Total	7440-09-7	mg/l	 2.3
Selenium, Total	7782-49-2	mg/l	 < 0.002 U
Silver, Total	7440-22-4	mg/l	 < 0.001 U
Sodium, Total	7440-23-5	mg/l	 14
Thallium, Total	7440-28-0	mg/l	 < 0.0002 U
Vanadium, Total	7440-62-2	mg/l	 0.00094 J
Zinc, Total	7440-66-6	mg/l	 0.021
General			
Alkalinity	STL00171	mg/L	 93
Chloride	16887-00-6	mg/L	
Fluoride	16984-48-8	mg/L	
Nitrate as N	14797-55-8	mg/L	
рН	STL00204	SU	 8.26 HF
Sulfate	14808-79-8	mg/L	
Total Dissolved Solids	STL00242	mg/L	 180
Total Hardness	STL00009	mg/L	 24
Total Suspended Solids	STL00161	mg/L	

Bold - Bolded results identify a detected value.

J - Data Estimated qualifier (also applied to all data less than PQL, greater than or equal to MDL)

MDL - Method Detection Limit

PQL - Practical Quantitation Limit, also known as reporting limit.

U - Analyte not detected at or above MDL qualifier

D - Diluted value qualifier.

mg/L - Parts per million (milligrams per liter). Solids equivalent = mg/Kg.

ug/L - Parts per billion (micrograms per liter). Solids equivalent = ug/Kg

					Location	ADWS-IT2
					Sample ID	ADWS-IT2-150807-21
					Date	8/7/2015
Analyta	CAS.NO	Unite			Date	8/1/2013
Analyte	CAS.NO	Units	Recreationa	Agricultur		
Metals, Dissolved			IRSL	Agricultur e		
Aluminum, Dissolved	7429-90-5	mg/l	170000			0.03 J
Antimony, Dissolved	7440-36-0					< 0.001 U
Arsenic, Dissolved	7440-38-2		50	100		0.00054 J
Barium, Dissolved	7440-39-3		33000			0.067
Beryllium, Dissolved	7440-41-7		330	100		< 0.0004 U
Cadmium, Dissolved	7440-43-9		83	10		< 0.0001 U
Calcium, Dissolved	7440-70-2					59
Chromium, Dissolved	7440-47-3		210000	100		< 0.002 U
Cobalt, Dissolved	7440-48-4		50			0.00013 J
Copper, Dissolved	7440-50-8		6700	100		0.0011
ron, Dissolved	7439-89-6		120000			< 0.05 U
Lead, Dissolved	7439-92-1		200	100		0.000061 J
Magnesium, Dissolved	7439-95-4					8.3
Manganese, Dissolved	7439-96-5		7800	200		0.0071
Mercury, Dissolved	7439-97-6					< 0.0002 U
Molybdenum, Dissolved	7439-98-7	<u> </u>				0.001
Nickel, Dissolved	7440-02-0	-	330	200		0.0014
Potassium, Dissolved	7440-09-7	-				2.2
Selenium, Dissolved	7782-49-2			20		< 0.002 U
Silver, Dissolved	7440-22-4					< 0.001 U
Sodium, Dissolved	7440-23-5					13
Thallium, Dissolved	7440-28-0		1.7			0.00011 J
Vanadium, Dissolved	7440-62-2		830			< 0.001 U
Zinc, Dissolved	7440-66-6		50000			< 0.02 U
Metals, Total	1	1118/]			
Aluminum, Total	7429-90-5	me/l				0.54
Antimony, Total	7440-36-0					< 0.001 U
Arsenic, Total	7440-38-2	mg/l				0.00063 J
Barium, Total	7440-39-3					0.071
Beryllium, Total	7440-41-7	-				< 0.0004 U
Cadmium, Total	7440-43-9					0.00011
Calcium, Total	7440-70-2	-				58
Chromium, Total	7440-47-3					< 0.002 U
Cobalt, Total	7440-48-4					0.0003 J
Copper, Total	7440-50-8	<u> </u>				0.0023
ron, Total	7439-89-6					0.42
Lead, Total	7439-92-1					0.0017
Magnesium, Total	7439-95-4					8.2
Manganese, Total	7439-96-5					0.053
Mercury, Total	7439-97-6					< 0.0002 U
Molybdenum, Total	7439-98-7	mg/l				0.001
Nickel, Total	7440-02-0					0.0016

П			
Potassium, Total	7440-09-7	mg/l	 2.3
Selenium, Total	7782-49-2	mg/l	 < 0.002 U
Silver, Total	7440-22-4	mg/l	 < 0.001 U
Sodium, Total	7440-23-5	mg/l	 13
Thallium, Total	7440-28-0	mg/l	 < 0.0002 U
Vanadium, Total	7440-62-2	mg/l	 0.00083 J
Zinc, Total	7440-66-6	mg/l	 0.019 J
General			
Alkalinity	STL00171	mg/L	 93
Chloride	16887-00-6	mg/L	
Fluoride	16984-48-8	mg/L	
Nitrate as N	14797-55-8	mg/L	
рΗ	STL00204	SU	 8.2 HF
Sulfate	14808-79-8	mg/L	
Total Dissolved Solids	STL00242	mg/L	 180
Total Hardness	STL00009	mg/L	 21
Total Suspended Solids	STL00161	mg/L	

Bold - Bolded results identify a detected value.

J - Data Estimated qualifier (also applied to all data less than PQL, greater than or equal to MDL)

MDL - Method Detection Limit

PQL - Practical Quantitation Limit, also known as reporting limit.

U - Analyte not detected at or above MDL qualifier

D - Diluted value qualifier.

mg/L - Parts per million (milligrams per liter). Solids equivalent = mg/Kg.

ug/L - Parts per billion (micrograms per liter). Solids equivalent = ug/Kg

					Location	FWS-ARP2
					Sample ID	FWS-ARP2-150807-21
					Date	8/7/2015
Analyte	CAS.NO	Units			Date	0/1/2013
Analyte	CABINO	Omics	Recreationa	Agricultur		
Metals, Dissolved			IRSL	e		
Aluminum, Dissolved	7429-90-5	mg/l	170000			0.029 J
Antimony, Dissolved	7440-36-0	mg/l				< 0.001 U
Arsenic, Dissolved	7440-38-2	mg/l	50	100		0.00074 J
Barium, Dissolved	7440-39-3	mg/l	33000			0.069
Beryllium, Dissolved	7440-41-7	mg/l	330	100		< 0.0004 U
Cadmium, Dissolved	7440-43-9	mg/l	83	10		< 0.0001 U
Calcium, Dissolved	7440-70-2	mg/l				68
Chromium, Dissolved	7440-47-3	mg/l	210000	100		< 0.002 U
Cobalt, Dissolved	7440-48-4	mg/l	50			0.00016 J
Copper, Dissolved	7440-50-8		6700	100		0.0012
ron, Dissolved	7439-89-6		120000			< 0.05 U
Lead, Dissolved	7439-92-1	mg/l	200	100		< 0.0003 U
Magnesium, Dissolved	7439-95-4	mg/l				9.6
Manganese, Dissolved	7439-96-5	mg/l	7800	200		0.021
Mercury, Dissolved	7439-97-6	mg/l				< 0.0002 U
Molybdenum, Dissolved	7439-98-7	mg/l				0.0012
Nickel, Dissolved	7440-02-0		330	200		0.0015
Potassium, Dissolved	7440-09-7	mg/l				2.4
Selenium, Dissolved	7782-49-2	mg/l		20		< 0.002 U
Silver, Dissolved	7440-22-4	mg/l				< 0.001 U
Sodium, Dissolved	7440-23-5	mg/l				22
Thallium, Dissolved	7440-28-0	mg/l	1.7			< 0.0002 U
Vanadium, Dissolved	7440-62-2	mg/l	830			< 0.001 U
Zinc, Dissolved	7440-66-6	mg/l	50000			< 0.02 U
Metals, Total						
Aluminum, Total	7429-90-5	mg/l				1.4
Antimony, Total	7440-36-0	mg/l				< 0.001 U
Arsenic, Total	7440-38-2	mg/l				0.00081 J
Barium, Total	7440-39-3	mg/l				0.079
Beryllium, Total	7440-41-7	mg/l				< 0.0004 U
Cadmium, Total	7440-43-9	mg/l				0.000092 J
Calcium, Total	7440-70-2	mg/l				67
Chromium, Total	7440-47-3					< 0.002 U
Cobalt, Total	7440-48-4	mg/l				0.00052
Copper, Total	7440-50-8	mg/l				0.0031
ron, Total	7439-89-6	mg/l				1
Lead, Total	7439-92-1	mg/l				0.0026
Magnesium, Total	7439-95-4					9.6
Manganese, Total	7439-96-5					0.091
Mercury, Total	7439-97-6	mg/l				< 0.0002 U
Molybdenum, Total	7439-98-7	mg/l				0.0012
Nickel, Total	7440-02-0	mg/l				0.0021

Potassium, Total	7440-09-7	mg/l	 2.6
Selenium, Total	7782-49-2	mg/l	 < 0.002 U
Silver, Total	7440-22-4	mg/l	 < 0.001 U
Sodium, Total	7440-23-5	mg/l	 22
Thallium, Total	7440-28-0	mg/l	 < 0.0002 U
Vanadium, Total	7440-62-2	mg/l	 0.0019
Zinc, Total	7440-66-6	mg/l	 0.02
General			
Alkalinity	STL00171	mg/L	 91
Chloride	16887-00-6	mg/L	
Fluoride	16984-48-8	mg/L	
Nitrate as N	14797-55-8	mg/L	
рН	STL00204	SU	 8.31 HF
Sulfate	14808-79-8	mg/L	
Total Dissolved Solids	STL00242	mg/L	 210
Total Hardness	STL00009	mg/L	 43
Total Suspended Solids	STL00161	mg/L	

Bold - Bolded results identify a detected value.

J - Data Estimated qualifier (also applied to all data less than PQL, greater than or equal to MDL)

MDL - Method Detection Limit

PQL - Practical Quantitation Limit, also known as reporting limit.

U - Analyte not detected at or above MDL qualifier

D - Diluted value qualifier.

mg/L - Parts per million (milligrams per liter). Solids equivalent = mg/Kg.

ug/L - Parts per billion (micrograms per liter). Solids equivalent = ug/Kg

					Location	LVW-FD
					Sample ID	LVW-FD-150807-21
					Date	8/7/2015
Analyte	CAS.NO	Unite			Date	8/7/2013
Allalyte	CASINO	Ullits	Recreationa	Agricultu	•	1
Metals, Dissolved			IRSL	e		
Aluminum, Dissolved	7429-90-5	mg/l	170000			< 0.2 U
Antimony, Dissolved	7440-36-0					< 0.001 U
Arsenic, Dissolved	7440-38-2	mg/l	50	100		0.0011
Barium, Dissolved	7440-39-3		33000			0.11
Beryllium, Dissolved	7440-41-7	mg/l	330	100		< 0.0004 U
Cadmium, Dissolved	7440-43-9		83	10		< 0.0001 U
Calcium, Dissolved	7440-70-2	mg/l				77
Chromium, Dissolved	7440-47-3		210000	100		< 0.002 U
Cobalt, Dissolved	7440-48-4	mg/l	50			0.00022 J
Copper, Dissolved	7440-50-8	mg/l	6700	100		0.0014
Iron, Dissolved	7439-89-6		120000			0.042 J
Lead, Dissolved	7439-92-1	mg/l	200	100		0.00018 J
Magnesium, Dissolved	7439-95-4					10
Manganese, Dissolved	7439-96-5		7800	200		0.024
Mercury, Dissolved	7439-97-6					< 0.0002 U
Molybdenum, Dissolved	7439-98-7	mg/l				0.0015
Nickel, Dissolved	7440-02-0	mg/l	330	200		0.0021
Potassium, Dissolved	7440-09-7	mg/l				2.8
Selenium, Dissolved	7782-49-2	mg/l		20		< 0.002 U
Silver, Dissolved	7440-22-4	mg/l				< 0.001 U
Sodium, Dissolved	7440-23-5	mg/l				31
Thallium, Dissolved	7440-28-0		1.7			< 0.0002 U
Vanadium, Dissolved	7440-62-2	mg/l	830			0.00044 J
Zinc, Dissolved	7440-66-6		50000			< 0.02 U
Metals, Total						1
Aluminum, Total	7429-90-5	mg/l				2.3
Antimony, Total	7440-36-0	mg/l				< 0.001 U
Arsenic, Total	7440-38-2	mg/l				0.0014
Barium, Total	7440-39-3	mg/l				0.12
Beryllium, Total	7440-41-7					< 0.0004 U
Cadmium, Total	7440-43-9					0.000064 J
Calcium, Total	7440-70-2					75
Chromium, Total	7440-47-3					0.0012 J
Cobalt, Total	7440-48-4					0.00056
Copper, Total	7440-50-8					0.0031
ron, Total	7439-89-6					1.4
Lead, Total	7439-92-1					0.0029
Magnesium, Total	7439-95-4					10
Manganese, Total	7439-96-5					0.083
Mercury, Total	7439-97-6					< 0.0002 U
Molybdenum, Total	7439-98-7	mg/l				0.0015
Nickel, Total	7440-02-0					0.0024

Potassium, Total	7440-09-7	mg/l		3.2
Selenium, Total	7782-49-2	mg/l		< 0.002 U
Silver, Total	7440-22-4	mg/l		< 0.001 U
Sodium, Total	7440-23-5	mg/l		29
Thallium, Total	7440-28-0	mg/l		< 0.0002 U
Vanadium, Total	7440-62-2	mg/l		0.0031
Zinc, Total	7440-66-6	mg/l		0.013 J
General				
Alkalinity	STL00171	mg/L		120
Chloride	16887-00-6	mg/L		
Fluoride	16984-48-8	mg/L		
Nitrate as N	14797-55-8	mg/L		
рΗ	STL00204	SU		8.11 HF
Sulfate	14808-79-8	mg/L		
Total Dissolved Solids	STL00242	mg/L		230
Total Hardness	STL00009	mg/L		36
Total Suspended Solids	STL00161	mg/L		

Bold - Bolded results identify a detected value.

J - Data Estimated qualifier (also applied to all data less than PQL, greater than or equal to MDL)

MDL - Method Detection Limit

PQL - Practical Quantitation Limit, also known as reporting limit.

U - Analyte not detected at or above MDL qualifier

D - Diluted value qualifier.

mg/L - Parts per million (milligrams per liter). Solids equivalent = mg/Kg.

ug/L - Parts per billion (micrograms per liter). Solids equivalent = ug/Kg

				11 11	Location	ADWS-ARP
					Sample ID	11 8/8/2015
					Date	
Analyte	CAS.NO	Units			200	-,-,
en in de la companya	01101110	L TAREET.	Recreationa	Agricultur	I.	
Metals, Dissolved			IRSL	e		
Aluminum, Dissolved	7429-90-5	mg/l	170000			< 200 U
Antimony, Dissolved	7440-36-0	mg/l				< 1 U
Arsenic, Dissolved	7440-38-2	mg/l	50	100		0.58 J
Barium, Dissolved	7440-39-3	mg/l	33000			49
Beryllium, Dissolved	7440-41-7	mg/l	330	100		< 0.4 U
Cadmium, Dissolved	7440-43-9	mg/l	83	10		< 0.1 U
Calcium, Dissolved	7440-70-2	mg/l				61000
Chromium, Dissolved	7440-47-3	mg/l	210000	100		< 2 U
Cobalt, Dissolved	7440-48-4	mg/l	50			< 0.4 U
Copper, Dissolved	7440-50-8	mg/l	6700	100		1.3
ron, Dissolved	7439-89-6		120000			< 50 U
_ead, Dissolved	7439-92-1	mg/l	200	100		0.17 J
Magnesium, Dissolved	7439-95-4	mg/l				8100
Manganese, Dissolved	7439-96-5	mg/l	7800	200		2.9
Mercury, Dissolved	7439-97-6	mg/l				< 0.2 U
Molybdenum, Dissolved	7439-98-7	mg/l				1.5
Nickel, Dissolved	7440-02-0	mg/l	330	200		1.2
Potassium, Dissolved	7440-09-7	mg/l				2200
Selenium, Dissolved	7782-49-2	mg/l		20		< 2 U
Silver, Dissolved	7440-22-4					< 1 U
Sodium, Dissolved	7440-23-5					14000
Thallium, Dissolved	7440-28-0		1.7			< 0.2 U
Vanadium, Dissolved	7440-62-2	mg/l	830			< 1 U
Zinc, Dissolved	7440-66-6	mg/l	50000			< 20 U F1
Metals, Total					1	
Aluminum, Total	7429-90-5	mg/l				4200
Antimony, Total	7440-36-0					1.5
Arsenic, Total	7440-38-2	mg/l				11
Barium, Total	7440-39-3					97
Beryllium, Total	7440-41-7	mg/l				0.29 J
Cadmium, Total	7440-43-9	mg/l				0.55
Calcium, Total	7440-70-2	mg/l				69000
Chromium, Total	7440-47-3	mg/l				1.7 J
Cobalt, Total	7440-48-4					1.3
Copper, Total	7440-50-8	mg/l				49
ron, Total	7439-89-6					15000
_ead, Total	7439-92-1	mg/l				230
Magnesium, Total	7439-95-4	mg/l				9400
Manganese, Total	7439-96-5	mg/l				260
Mercury, Total	7439-97-6					< 0.2 U
Molybdenum, Total	7439-98-7	mg/l				4
Nickel, Total	7440-02-0	mg/l				2.1

Potassium, Total	7440-09-7	mg/l		3700
Selenium, Total	7782-49-2	mg/l		0.58 J
Silver, Total	7440-22-4	mg/l		1.6
Sodium, Total	7440-23-5	mg/l		15000
Thallium, Total	7440-28-0	mg/l		0.12 J
Vanadium, Total	7440-62-2	mg/l		10
Zinc, Total	7440-66-6	mg/l		180
General			-	
Alkalinity	STL00171	mg/L		87
Chloride	16887-00-6	mg/L		
Fluoride	16984-48-8	mg/L		
Nitrate as N	14797-55-8	mg/L		
рΗ	STL00204	SU		8.04 HF
Sulfate	14808-79-8	mg/L		
Total Dissolved Solids	STL00242	mg/L		290
Total Hardness	STL00009	mg/L		210
Total Suspended Solids	STL00161	mg/L		140

Bold - Bolded results identify a detected value.

J - Data Estimated qualifier (also applied to all data less than PQL, greater than or equal to MDL)

MDL - Method Detection Limit

PQL - Practical Quantitation Limit, also known as reporting limit.

U - Analyte not detected at or above MDL qualifier

D - Diluted value qualifier.

mg/L - Parts per million (milligrams per liter). Solids equivalent = mg/Kg.

ug/L - Parts per billion (micrograms per liter). Solids equivalent = ug/Kg

				11 11	Location	ADWS-IT1
					Sample ID	11 8/8/2015
					Date	
Analyte	CAS.NO	Units			Date	-,-,1
	CLIONIO	L TAREET.	Recreationa	Agricultur		
Metals, Dissolved			IRSL	- e		
Aluminum, Dissolved	7429-90-5	mg/l	170000			< 200 U
Antimony, Dissolved	7440-36-0	mg/l				< 1 U
Arsenic, Dissolved	7440-38-2	mg/l	50	100		< 1 U
Barium, Dissolved	7440-39-3	mg/l	33000			50
Beryllium, Dissolved	7440-41-7	mg/l	330	100		< 0.4 U
Cadmium, Dissolved	7440-43-9	mg/l	83	10		< 0.1 U
Calcium, Dissolved	7440-70-2	mg/l				60000
Chromium, Dissolved	7440-47-3	mg/l	210000	100		< 2 U
Cobalt, Dissolved	7440-48-4	mg/l	50			< 0.4 U
Copper, Dissolved	7440-50-8	mg/l	6700	100		1.4
ron, Dissolved	7439-89-6		120000			< 50 U
Lead, Dissolved	7439-92-1	mg/l	200	100		0.15 J
Magnesium, Dissolved	7439-95-4	mg/l				8100
Manganese, Dissolved	7439-96-5	mg/l	7800	200		3
Mercury, Dissolved	7439-97-6	mg/l				< 0.2 U
Molybdenum, Dissolved	7439-98-7	mg/l				1.3
Nickel, Dissolved	7440-02-0	mg/l	330	200		1.2
Potassium, Dissolved	7440-09-7	mg/l	333	230		2100
Selenium, Dissolved	7782-49-2	mg/l		20		< 2 U
Silver, Dissolved	7440-22-4			20		<1U
Sodium, Dissolved	7440-23-5					13000
Thallium, Dissolved	7440-28-0	mg/l	1.7			0.15 J
Vanadium, Dissolved	7440-62-2	mg/l	830			< 1 U
Zinc, Dissolved	7440-66-6	mg/l	50000			< 20 U
Metals, Total	7440 00 0	1116/1	30000			\ 200
Aluminum, Total	7429-90-5	mg/l				2800
Antimony, Total	7440-36-0					1.1
Arsenic, Total	7440-38-2	mg/l				7.6
Barium, Total	7440-38-2					84
Beryllium, Total	7440-39-3	mg/l				0.2 J
Cadmium, Total	7440-41-7	mg/l				0.4
Calcium, Total	7440-43-9	mg/l				67000
Chromium, Total	7440-70-2	mg/l				1.1 J
Cobalt, Total	7440-47-3					0.95
	_					
Copper, Total	7440-50-8	mg/l				34 10000
ron, Total	7439-89-6					
Lead, Total	7439-92-1	mg/l				150
Magnesium, Total	7439-95-4	mg/l				9100
Manganese, Total	7439-96-5	mg/l				200
Mercury, Total	7439-97-6					< 0.2 U
Molybdenum, Total	7439-98-7	mg/l				3
Nickel, Total	7440-02-0	mg/l				1.8

Г			T T	
Potassium, Total	7440-09-7	mg/l		 3200
Selenium, Total	7782-49-2	mg/l		 < 2 U
Silver, Total	7440-22-4	mg/l		 1
Sodium, Total	7440-23-5	mg/l		 14000
Thallium, Total	7440-28-0	mg/l		 < 0.2 U
Vanadium, Total	7440-62-2	mg/l		 6.9
Zinc, Total	7440-66-6	mg/l		 140
General				
Alkalinity	STL00171	mg/L		 94
Chloride	16887-00-6	mg/L		
Fluoride	16984-48-8	mg/L		
Nitrate as N	14797-55-8	mg/L		
рН	STL00204	SU		 8.06 HF
Sulfate	14808-79-8	mg/L		
Total Dissolved Solids	STL00242	mg/L		 260
Total Hardness	STL00009	mg/L		 200
Total Suspended Solids	STL00161	mg/L		 93

Bold - Bolded results identify a detected value.

J - Data Estimated qualifier (also applied to all data less than PQL, greater than or equal to MDL)

MDL - Method Detection Limit

PQL - Practical Quantitation Limit, also known as reporting limit.

U - Analyte not detected at or above MDL qualifier

D - Diluted value qualifier.

mg/L - Parts per million (milligrams per liter). Solids equivalent = mg/Kg.

ug/L - Parts per billion (micrograms per liter). Solids equivalent = ug/Kg

					Location	ADWS-IT2
					Sample ID	11 8/8/2015
					Date	
Analyte	CAS.NO	Units			Date	0,0,2013
Allalyte	CABINO	Omics	Recreationa	Agricultur	•	
Metals, Dissolved			IRSL	e		
Aluminum, Dissolved	7429-90-5	mg/l	170000			< 200 U
Antimony, Dissolved	7440-36-0	mg/l				< 1 U
Arsenic, Dissolved	7440-38-2	mg/l	50	100		0.5 J
Barium, Dissolved	7440-39-3	mg/l	33000			55
Beryllium, Dissolved	7440-41-7	mg/l	330	100		< 0.4 U
Cadmium, Dissolved	7440-43-9	mg/l	83	10		< 0.1 U
Calcium, Dissolved	7440-70-2	mg/l				57000
Chromium, Dissolved	7440-47-3		210000	100		< 2 U
Cobalt, Dissolved	7440-48-4	mg/l	50			< 0.4 U
Copper, Dissolved	7440-50-8	mg/l	6700	100		1.6
ron, Dissolved	7439-89-6		120000			< 50 U
Lead, Dissolved	7439-92-1	mg/l	200	100		0.25 J
Magnesium, Dissolved	7439-95-4	mg/l				7800
Manganese, Dissolved	7439-96-5	mg/l	7800	200		5.6
Mercury, Dissolved	7439-97-6	mg/l				< 0.2 U
Molybdenum, Dissolved	7439-98-7	mg/l				1.2
Nickel, Dissolved	7440-02-0	mg/l	330	200		1.3
Potassium, Dissolved	7440-09-7	mg/l				2300
Selenium, Dissolved	7782-49-2			20		< 2 U
Silver, Dissolved	7440-22-4	mg/l				< 1 U
Sodium, Dissolved	7440-23-5	mg/l				13000
Thallium, Dissolved	7440-28-0		1.7			< 0.2 U
Vanadium, Dissolved	7440-62-2	mg/l	830			0.41 J
Zinc, Dissolved	7440-66-6	mg/l	50000			< 20 U
Metals, Total			•			
Aluminum, Total	7429-90-5	mg/l				1900
Antimony, Total	7440-36-0	mg/l				0.73 J
Arsenic, Total	7440-38-2	mg/l				4.4
Barium, Total	7440-39-3					75
Beryllium, Total	7440-41-7					< 0.4 U
Cadmium, Total	7440-43-9					0.3
Calcium, Total	7440-70-2	mg/l				61000
Chromium, Total	7440-47-3	mg/l				< 2 U
Cobalt, Total	7440-48-4	mg/l				0.68
Copper, Total	7440-50-8	mg/l				23
ron, Total	7439-89-6	mg/l				6000
Lead, Total	7439-92-1	mg/l				81
Magnesium, Total	7439-95-4	mg/l				8400
Manganese, Total	7439-96-5	mg/l				150
Mercury, Total	7439-97-6	mg/l				< 0.2 U
Molybdenum, Total	7439-98-7					2
Nickel, Total	7440-02-0	mg/l				1.4

Potassium, Total	7440-09-7	mg/l		2900
Selenium, Total	7782-49-2	mg/l		< 2 U
Silver, Total	7440-22-4	mg/l		0.55 J
Sodium, Total	7440-23-5	mg/l		13000
Thallium, Total	7440-28-0	mg/l		< 0.2 U
Vanadium, Total	7440-62-2	mg/l		4.3
Zinc, Total	7440-66-6	mg/l		110
General				
Alkalinity	STL00171	mg/L		91
Chloride	16887-00-6	mg/L		
Fluoride	16984-48-8	mg/L		
Nitrate as N	14797-55-8	mg/L		
рН	STL00204	SU		8.13 HF
Sulfate	14808-79-8	mg/L		
Total Dissolved Solids	STL00242	mg/L		260
Total Hardness	STL00009	mg/L		190
Total Suspended Solids	STL00161	mg/L		67

Bold - Bolded results identify a detected value.

J - Data Estimated qualifier (also applied to all data less than PQL, greater than or equal to MDL)

MDL - Method Detection Limit

PQL - Practical Quantitation Limit, also known as reporting limit.

U - Analyte not detected at or above MDL qualifier

D - Diluted value qualifier.

mg/L - Parts per million (milligrams per liter). Solids equivalent = mg/Kg.

ug/L - Parts per billion (micrograms per liter). Solids equivalent = ug/Kg

Table 1 Surfacewater Analytical Data - Region 6 Upper Animas River

			14 (14 (14 (14 (14 (14 (14 (14 (14 (14 (Location	FWS-ARP2
					Sample ID	11
					Date	8/8/2015
Analyte	CAS.NO	Units				· •
STATE OF THE STATE	<u> </u>		Recreationa	Agricultur	•	exercises the construction of the construction
Metals, Dissolved			1 RSL	e		
Aluminum, Dissolved	7429-90-5	mg/l	170000			< 200 U
Antimony, Dissolved	7440-36-0	mg/l				< 1 U
Arsenic, Dissolved	7440-38-2	mg/l	50	100		0.38 J
Barium, Dissolved	7440-39-3	mg/l	33000			56
Beryllium, Dissolved	7440-41-7	mg/l	330	100		< 0.4 U
Cadmium, Dissolved	7440-43-9	mg/l	83	10		< 0.1 U
Calcium, Dissolved	7440-70-2	mg/l				66000
Chromium, Dissolved	7440-47-3	mg/l	210000	100		< 2 U
Cobalt, Dissolved	7440-48-4	mg/l	50			0.12 J
Copper, Dissolved	7440-50-8	mg/l	6700	100		1.4
ron, Dissolved	7439-89-6	mg/l	120000			< 50 U
Lead, Dissolved	7439-92-1	mg/l	200	100		0.14 J
Magnesium, Dissolved	7439-95-4	mg/l				8300
Manganese, Dissolved	7439-96-5	mg/l	7800	200		1.7 J
Mercury, Dissolved	7439-97-6	mg/l				< 0.2 U
Molybdenum, Dissolved	7439-98-7	mg/l				1.7
Nickel, Dissolved	7440-02-0	mg/l	330	200		1.4
Potassium, Dissolved	7440-09-7	mg/l				2200
Selenium, Dissolved	7782-49-2	mg/l		20		< 2 U
Silver, Dissolved	7440-22-4	mg/l				< 1 U
Sodium, Dissolved	7440-23-5	mg/l				16000
Thallium, Dissolved	7440-28-0	mg/l	1.7			< 0.2 U
Vanadium, Dissolved	7440-62-2	mg/l	830			0.37 J
Zinc, Dissolved	7440-66-6	mg/l	50000			< 20 U F1
Metals, Total		- 0,		l		
Aluminum, Total	7429-90-5	mg/l			<u></u>	5300 F1
Antimony, Total	7440-36-0					1.6
Arsenic, Total	7440-38-2	mg/l				11
Barium, Total	7440-39-3					100
Beryllium, Total	7440-41-7	mg/l				0.31 J
Cadmium, Total	7440-43-9	mg/l				0.5
Calcium, Total	7440-70-2	mg/l				69000
Chromium, Total	7440-47-3	mg/l				1.8 J
Cobalt, Total	7440-48-4	mg/l				1.2
Copper, Total	7440-50-8	mg/l				47
ron, Total	7439-89-6	mg/l				16000
Lead, Total	7439-92-1	mg/l				220
Magnesium, Total	7439-95-4	mg/l				9400
Manganese, Total	7439-96-5	mg/l				220
Mercury, Total	7439-90-5					< 0.2 U
Molybdenum, Total	7439-98-7	mg/l				4.1
Nickel, Total	7440-02-0	mg/l				2.1

Potassium, Total	7440-09-7	mg/l		4000
Selenium, Total	7782-49-2	mg/l		1 J
Silver, Total	7440-22-4	mg/l		1.6
Sodium, Total	7440-23-5	mg/l		17000
Thallium, Total	7440-28-0	mg/l		0.12 J
Vanadium, Total	7440-62-2	mg/l		11
Zinc, Total	7440-66-6	mg/l		170
General			•	
Alkalinity	STL00171	mg/L		88
Chloride	16887-00-6	mg/L		
Fluoride	16984-48-8	mg/L		
Nitrate as N	14797-55-8	mg/L		
рΗ	STL00204	SU		8.1 HF
Sulfate	14808-79-8	mg/L		
Total Dissolved Solids	STL00242	mg/L		290
Total Hardness	STL00009	mg/L		210
Total Suspended Solids	STL00161	mg/L		170

Bold - Bolded results identify a detected value.

J - Data Estimated qualifier (also applied to all data less than PQL, greater than or equal to MDL)

MDL - Method Detection Limit

PQL - Practical Quantitation Limit, also known as reporting limit.

U - Analyte not detected at or above MDL qualifier

D - Diluted value qualifier.

mg/L - Parts per million (milligrams per liter). Solids equivalent = mg/Kg.

ug/L - Parts per billion (micrograms per liter). Solids equivalent = ug/Kg

	11 8/8/2015 < 200 U < 1 U 0.76 J 60 < 0.4 U
	< 200 U < 1 U 0.76 J 60
	< 200 U < 1 U 0.76 J 60
	< 1 U 0.76 J 60
	< 1 U 0.76 J 60
	< 1 U 0.76 J 60
	0.76 J 60
	60
	< 0.4 U
	< 0.1 U
	66000
	< 2 U
	0.14 J
	1.6
	< 50 U
	0.2 J
	8400
	1.6 J
	< 0.2 U
	1.7
	1.8
	2200
	< 2 U
	< 1 U
	16000
	< 0.2 U
	0.36 J
	< 20 U
	1200
	5000
	1.4
	10
	110
	0.3 J
	0.35
	70000
	1.8 J
	1.3
	43
	14000
	200
1	9600
	230
	< 0.2 U
	3.7 2.3

Potassium, Total	7440-09-7	mg/l		3800
Selenium, Total	7782-49-2	mg/l		0.83 J
Silver, Total	7440-22-4	mg/l		1.4
Sodium, Total	7440-23-5	mg/l		17000
Thallium, Total	7440-28-0	mg/l		0.11 J
Vanadium, Total	7440-62-2	mg/l		10
Zinc, Total	7440-66-6	mg/l		160
General				
Alkalinity	STL00171	mg/L		90
Chloride	16887-00-6	mg/L		
Fluoride	16984-48-8	mg/L		
Nitrate as N	14797-55-8	mg/L		
рН	STL00204	SU		8.1 HF
Sulfate	14808-79-8	mg/L		
Total Dissolved Solids	STL00242	mg/L		290
Total Hardness	STL00009	mg/L		210
Total Suspended Solids	STL00161	mg/L		150

Bold - Bolded results identify a detected value.

J - Data Estimated qualifier (also applied to all data less than PQL, greater than or equal to MDL)

MDL - Method Detection Limit

PQL - Practical Quantitation Limit, also known as reporting limit.

U - Analyte not detected at or above MDL qualifier

D - Diluted value qualifier.

mg/L - Parts per million (milligrams per liter). Solids equivalent = mg/Kg.

ug/L - Parts per billion (micrograms per liter). Solids equivalent = ug/Kg

					Location	LVW-FD
					Sample ID	LVW-FD-150808-11
					Date Date	8/8/2015
Analyte	CAS.NO	Unite			Date	0,0,2015
Allalyte	CASINO	Omits	Recreationa	Agricultur		
Metals, Dissolved			IRSL	e		
Aluminum, Dissolved	7429-90-5	mg/l	170000			390
Antimony, Dissolved	7440-36-0	-				< 1 U
Arsenic, Dissolved	7440-38-2	mg/l	50	100		0.76 J
Barium, Dissolved	7440-39-3		33000			81
Beryllium, Dissolved	7440-41-7	mg/l	330	100		< 0.4 U
Cadmium, Dissolved	7440-43-9		83	10		< 0.1 U
Calcium, Dissolved	7440-70-2	mg/l				52000
Chromium, Dissolved	7440-47-3		210000	100		< 2 U
Cobalt, Dissolved	7440-48-4		50			0.23 J
Copper, Dissolved	7440-50-8		6700	100		1.7
ron, Dissolved	7439-89-6		120000			220
Lead, Dissolved	7439-92-1	mg/l	200	100		0.5
Magnesium, Dissolved	7439-95-4					6600
Manganese, Dissolved	7439-96-5		7800	200		20
Mercury, Dissolved	7439-97-6					< 0.2 U
Molybdenum, Dissolved	7439-98-7	mg/l				1.8
Nickel, Dissolved	7440-02-0	mg/l	330	200		1.8
Potassium, Dissolved	7440-09-7	mg/l				2500
Selenium, Dissolved	7782-49-2	mg/l		20		< 2 U
Silver, Dissolved	7440-22-4					< 1 U
Sodium, Dissolved	7440-23-5					20000
Thallium, Dissolved	7440-28-0	mg/l	1.7			< 0.2 U
Vanadium, Dissolved	7440-62-2	mg/l	830			0.73 J
Zinc, Dissolved	7440-66-6		50000			< 20 U
Metals, Total		<u> </u>				
Aluminum, Total	7429-90-5	mg/l				22000
Antimony, Total	7440-36-0					0.64 J
Arsenic, Total	7440-38-2					14
Barium, Total	7440-39-3					370
Beryllium, Total	7440-41-7					1.2
Cadmium, Total	7440-43-9					0.34
Calcium, Total	7440-70-2					64000
Chromium, Total	7440-47-3					12
Cobalt, Total	7440-48-4					8.3
Copper, Total	7440-50-8					55
ron, Total	7439-89-6					30000
Lead, Total	7439-92-1	mg/l				240
Magnesium, Total	7439-95-4					11000
Manganese, Total	7439-96-5					530
Mercury, Total	7439-97-6					0.089 J
Molybdenum, Total	7439-98-7					3.4
Nickel, Total	7440-02-0	mg/l				12

Potassium, Total	7440-09-7	mg/l		7000
Selenium, Total	7782-49-2	mg/l		1.4 J
Silver, Total	7440-22-4	mg/l		1.6
Sodium, Total	7440-23-5	mg/l		22000
Thallium, Total	7440-28-0	mg/l		0.29
Vanadium, Total	7440-62-2	mg/l		34
Zinc, Total	7440-66-6	mg/l		160
General			-	
Alkalinity	STL00171	mg/L		83
Chloride	16887-00-6	mg/L		
Fluoride	16984-48-8	mg/L		
Nitrate as N	14797-55-8	mg/L		
рН	STL00204	SU		8.03 HF
Sulfate	14808-79-8	mg/L		
Total Dissolved Solids	STL00242	mg/L		260
Total Hardness	STL00009	mg/L		210
Total Suspended Solids	STL00161	mg/L		910

Bold - Bolded results identify a detected value.

J - Data Estimated qualifier (also applied to all data less than PQL, greater than or equal to MDL)

MDL - Method Detection Limit

PQL - Practical Quantitation Limit, also known as reporting limit.

U - Analyte not detected at or above MDL qualifier

D - Diluted value qualifier.

mg/L - Parts per million (milligrams per liter). Solids equivalent = mg/Kg.

ug/L - Parts per billion (micrograms per liter). Solids equivalent = ug/Kg

Table 1 Surfacewater Analytical Data - Region 6 Upper Animas River

					Location	LVW-WPI
					Sample ID	11
					Date	8/8/2015
Analyte	CAS.NO	Units			Date	0,0,2013
rindific	Casaro	Mines	Recreationa	Agricultur		
Metals, Dissolved			IRSL	e		
Aluminum, Dissolved	7429-90-5	mg/l	170000			270
Antimony, Dissolved	7440-36-0					< 1 U
Arsenic, Dissolved	7440-38-2	mg/l	50	100		0.76 J
Barium, Dissolved	7440-39-3		33000			70
Beryllium, Dissolved	7440-41-7	mg/l	330	100		< 0.4 U
Cadmium, Dissolved	7440-43-9		83	10		< 0.1 U
Calcium, Dissolved	7440-70-2	mg/l				51000
Chromium, Dissolved	7440-47-3		210000	100		< 2 U
Cobalt, Dissolved	7440-48-4		50			0.18 J
Copper, Dissolved	7440-50-8		6700	100		1.5
ron, Dissolved	7439-89-6		120000			150
Lead, Dissolved	7439-92-1	mg/l	200	100		0.36
Magnesium, Dissolved	7439-95-4					6500
Manganese, Dissolved	7439-96-5		7800	200		3.5
Mercury, Dissolved	7439-97-6					< 0.2 U
Molybdenum, Dissolved	7439-98-7	mg/l				1.8
Nickel, Dissolved	7440-02-0	mg/l	330	200		1.5
Potassium, Dissolved	7440-09-7	mg/l				2500
Selenium, Dissolved	7782-49-2	mg/l		20		< 2 U
Silver, Dissolved	7440-22-4					< 1 U
Sodium, Dissolved	7440-23-5	mg/l				19000
Thallium, Dissolved	7440-28-0	mg/l	1.7			0.15 J
Vanadium, Dissolved	7440-62-2	mg/l	830			0.68 J
Zinc, Dissolved	7440-66-6		50000			< 20 U
Metals, Total		- 0/				
Aluminum, Total	7429-90-5	mg/l				29000
Antimony, Total	7440-36-0					1.2
Arsenic, Total	7440-38-2					15
Barium, Total	7440-39-3	<u> </u>				400
Beryllium, Total	7440-41-7					1.5
Cadmium, Total	7440-43-9					0.45
Calcium, Total	7440-70-2					67000
Chromium, Total	7440-47-3					17
Cobalt, Total	7440-48-4					10
Copper, Total	7440-50-8					58
ron, Total	7439-89-6					36000
Lead, Total	7439-92-1	mg/l				240
Magnesium, Total	7439-95-4					12000
Manganese, Total	7439-96-5					620
Mercury, Total	7439-97-6					< 0.2 U
Molybdenum, Total	7439-98-7					4.4
Nickel, Total	7440-02-0					14

Potassium, Total	7440-09-7	mg/l		 8400
Selenium, Total	7782-49-2	mg/l		 1 J
Silver, Total	7440-22-4	mg/l		 1.5
Sodium, Total	7440-23-5	mg/l		 21000
Thallium, Total	7440-28-0	mg/l		 0.37
Vanadium, Total	7440-62-2	mg/l		 46
Zinc, Total	7440-66-6	mg/l		 170
General				
Alkalinity	STL00171	mg/L		 83
Chloride	16887-00-6	mg/L		
Fluoride	16984-48-8	mg/L		
Nitrate as N	14797-55-8	mg/L		
рΗ	STL00204	SU		 8.02 HF
Sulfate	14808-79-8	mg/L		
Total Dissolved Solids	STL00242	mg/L		 270
Total Hardness	STL00009	mg/L		 220
Total Suspended Solids	STL00161	mg/L		 1100

Bold - Bolded results identify a detected value.

J - Data Estimated qualifier (also applied to all data less than PQL, greater than or equal to MDL)

MDL - Method Detection Limit

PQL - Practical Quantitation Limit, also known as reporting limit.

U - Analyte not detected at or above MDL qualifier

D - Diluted value qualifier.

mg/L - Parts per million (milligrams per liter). Solids equivalent = mg/Kg.

ug/L - Parts per billion (micrograms per liter). Solids equivalent = ug/Kg

Table 1 Surfacewater Analytical Data - Region 6 Upper Animas River

					Location	MWSS-ARI
					Sample ID	11
					Date	8/8/2015
Analyte	CAS.NO	Unite			Date	6,6,2013
Allalyce	CASINO	Omics	Recreationa	Agricultur		
Metals, Dissolved			IRSL	e		
Aluminum, Dissolved	7429-90-5	mg/l	170000			< 200 U
Antimony, Dissolved	7440-36-0					< 1 U
Arsenic, Dissolved	7440-38-2		50	100		0.52 J
Barium, Dissolved	7440-39-3		33000			57
Beryllium, Dissolved	7440-41-7		330	100		< 0.4 U
Cadmium, Dissolved	7440-43-9		83	10		< 0.1 U
Calcium, Dissolved	7440-70-2					67000
Chromium, Dissolved	7440-47-3		210000	100		< 2 U
Cobalt, Dissolved	7440-48-4		50			0.15 J
Copper, Dissolved	7440-50-8		6700	100		1.6
ron, Dissolved	7439-89-6		120000			< 50 U
Lead, Dissolved	7439-92-1		200	100		0.23 J
Magnesium, Dissolved	7439-95-4					8600
Manganese, Dissolved	7439-96-5		7800	200		4.3
Mercury, Dissolved	7439-97-6					< 0.2 U
Molybdenum, Dissolved	7439-98-7					1.7
Nickel, Dissolved	7440-02-0		330	200		1.9
Potassium, Dissolved	7440-09-7					2200
Selenium, Dissolved	7782-49-2			20		< 2 U
Silver, Dissolved	7440-22-4					< 1 U
Sodium, Dissolved	7440-23-5					16000
Thallium, Dissolved	7440-28-0		1.7			< 0.2 U
Vanadium, Dissolved	7440-62-2		830			0.3 J
Zinc, Dissolved	7440-66-6		50000			< 20 U
Metals, Total				<u>'</u>		
Aluminum, Total	7429-90-5	mg/l				4600
Antimony, Total	7440-36-0	mg/l				1.5
Arsenic, Total	7440-38-2	mg/l				11
Barium, Total	7440-39-3	mg/l				110
Beryllium, Total	7440-41-7					0.29 J
Cadmium, Total	7440-43-9					0.51
Calcium, Total	7440-70-2					68000
Chromium, Total	7440-47-3					1.8 J
Cobalt, Total	7440-48-4					1.3
Copper, Total	7440-50-8	mg/l				46
ron, Total	7439-89-6					14000
Lead, Total	7439-92-1	mg/l				210
Magnesium, Total	7439-95-4					9200
Manganese, Total	7439-96-5					230
Mercury, Total	7439-97-6					< 0.2 U
Molybdenum, Total	7439-98-7					3.9
Nickel, Total	7440-02-0					2.2

Potassium, Total	7440-09-7	mg/l		3600
Selenium, Total	7782-49-2	mg/l		0.69 J
Silver, Total	7440-22-4	mg/l		1.5
Sodium, Total	7440-23-5	mg/l		16000
Thallium, Total	7440-28-0	mg/l		0.11 J
Vanadium, Total	7440-62-2	mg/l		10
Zinc, Total	7440-66-6	mg/l		170
General			_	
Alkalinity	STL00171	mg/L		89
Chloride	16887-00-6	mg/L		
Fluoride	16984-48-8	mg/L		
Nitrate as N	14797-55-8	mg/L		
рН	STL00204	SU		8.12 HF
Sulfate	14808-79-8	mg/L		
Total Dissolved Solids	STL00242	mg/L		290
Total Hardness	STL00009	mg/L		210
Total Suspended Solids	STL00161	mg/L		150

Bold - Bolded results identify a detected value.

J - Data Estimated qualifier (also applied to all data less than PQL, greater than or equal to MDL)

MDL - Method Detection Limit

PQL - Practical Quantitation Limit, also known as reporting limit.

U - Analyte not detected at or above MDL qualifier

D - Diluted value qualifier.

mg/L - Parts per million (milligrams per liter). Solids equivalent = mg/Kg.

ug/L - Parts per billion (micrograms per liter). Solids equivalent = ug/Kg

Table 1 Surfacewater Analytical Data - Region 6 Upper Animas River

					Location	NSW-ARI
					Sample ID	NSW-ARI-150808-11
					Date	8/8/2015
Analista	CAS.NO	Unite			Date	8/8/2013
Analyte	CA5.NU	Units	Recreationa	Agricultur		
Metals, Dissolved			IRSL	Agricultur e		
Aluminum, Dissolved	7429-90-5	mg/l	170000			< 200 U
Antimony, Dissolved	7440-36-0					<1U
Arsenic, Dissolved	7440-38-2		50	100		0.62 J
Barium, Dissolved	7440-39-3		33000			52
Beryllium, Dissolved	7440-41-7		330	100		< 0.4 U
Cadmium, Dissolved	7440-43-9		83	10		< 0.1 U
Calcium, Dissolved	7440-70-2					58000
Chromium, Dissolved	7440-47-3		210000	100		< 2 U
Cobalt, Dissolved	7440-48-4		50			0.12 J
Copper, Dissolved	7440-50-8		6700	100		1.5
ron, Dissolved	7439-89-6	mg/l	120000			< 50 U
Lead, Dissolved	7439-92-1		200	100		0.15 J
Magnesium, Dissolved	7439-95-4	mg/l				7900
Manganese, Dissolved	7439-96-5	mg/l	7800	200		5.4
Mercury, Dissolved	7439-97-6	mg/l				< 0.2 U
Molybdenum, Dissolved	7439-98-7	mg/l				1.3
Nickel, Dissolved	7440-02-0	mg/l	330	200		1.3
Potassium, Dissolved	7440-09-7	mg/l				2200
Selenium, Dissolved	7782-49-2	mg/l		20		< 2 U
Silver, Dissolved	7440-22-4	mg/l				<1U
Sodium, Dissolved	7440-23-5	mg/l				12000
Thallium, Dissolved	7440-28-0	mg/l	1.7			< 0.2 U
Vanadium, Dissolved	7440-62-2	mg/l	830			< 1 U
Zinc, Dissolved	7440-66-6	mg/l	50000			< 20 U
Metals, Total						
Aluminum, Total	7429-90-5	mg/l				2200
Antimony, Total	7440-36-0	mg/l				0.93 J
Arsenic, Total	7440-38-2	mg/l				6.1
Barium, Total	7440-39-3	-				80
Beryllium, Total	7440-41-7					0.16 J
Cadmium, Total	7440-43-9	mg/l				0.38
Calcium, Total	7440-70-2					63000
Chromium, Total	7440-47-3	-				< 2 U
Cobalt, Total	7440-48-4					0.78
Copper, Total	7440-50-8					29
ron, Total	7439-89-6					8300
Lead, Total	7439-92-1					110
Magnesium, Total	7439-95-4					8700
Manganese, Total	7439-96-5					170
Mercury, Total	7439-97-6					< 0.2 U
Molybdenum, Total	7439-98-7					2.5
Nickel, Total	7440-02-0	mg/l				1.7

Potassium, Total	7440-09-7	mg/l	 3000
Selenium, Total	7782-49-2	mg/l	 0.61 J
Silver, Total	7440-22-4	mg/l	 0.8 J
Sodium, Total	7440-23-5	mg/l	 13000
Thallium, Total	7440-28-0	mg/l	 < 0.2 U
Vanadium, Total	7440-62-2	mg/l	 5.5
Zinc, Total	7440-66-6	mg/l	 130
General			
Alkalinity	STL00171	mg/L	 99
Chloride	16887-00-6	mg/L	
Fluoride	16984-48-8	mg/L	
Nitrate as N	14797-55-8	mg/L	
рН	STL00204	SU	 8.12 HF
Sulfate	14808-79-8	mg/L	
Total Dissolved Solids	STL00242	mg/L	 270
Total Hardness	STL00009	mg/L	 190
Total Suspended Solids	STL00161	mg/L	 71

Bold - Bolded results identify a detected value.

J - Data Estimated qualifier (also applied to all data less than PQL, greater than or equal to MDL)

MDL - Method Detection Limit

PQL - Practical Quantitation Limit, also known as reporting limit.

U - Analyte not detected at or above MDL qualifier

D - Diluted value qualifier.

mg/L - Parts per million (milligrams per liter). Solids equivalent = mg/Kg.

ug/L - Parts per billion (micrograms per liter). Solids equivalent = ug/Kg

					Location	ADW-010
					Sample ID	ADW-010-150809-11
	CACNO	11-24-			Date	8/9/2015
Analyte	CAS.NO	Units	 Recreationa	Acricultur		
Metals, Dissolved			IRSL	Agriculur e		
Aluminum, Dissolved	7429-90-5	mg/l	170000			24
Antimony, Dissolved	7440-36-0					0.4
Arsenic, Dissolved	7440-38-2		50	100		0.37
Barium, Dissolved	7440-39-3		33000			60
Beryllium, Dissolved	7440-41-7		330	100		0.15
Cadmium, Dissolved	7440-43-9		83	10		0.043
Calcium, Dissolved	7440-70-2					63000
Chromium, Dissolved	7440-47-3		210000	100		1
Cobalt, Dissolved	7440-48-4		50			0.12
Copper, Dissolved	7440-50-8		6700	100		1.9
ron, Dissolved	7439-89-6		120000			17
Lead, Dissolved	7439-92-1		200	100		0.18
Magnesium, Dissolved	7439-95-4					8700
Manganese, Dissolved	7439-96-5		7800	200		9.3
Mercury, Dissolved	7439-97-6					0.08 U
Molybdenum, Dissolved	7439-98-7					1.1
Nickel, Dissolved	7440-02-0		330	200		0.99
Potassium, Dissolved	7440-09-7	-				2200
Selenium, Dissolved	7782-49-2			20		2
Silver, Dissolved	7440-22-4					0.1
Sodium, Dissolved	7440-23-5					14000
Thallium, Dissolved	7440-28-0		1.7			0.1
Vanadium, Dissolved	7440-62-2		830			0.3
Zinc, Dissolved	7440-66-6		50000			29
Metals, Total	7 1 10 00 0	***8/*	33535			
Aluminum, Total	7429-90-5	mg/l				440
Antimony, Total	7440-36-0					0.4
Arsenic, Total	7440-38-2	mg/l				1.3
Barium, Total	7440-39-3					70
Beryllium, Total	7440-41-7					0.15
Cadmium, Total	7440-43-9					0.19
Calcium, Total	7440-70-2					64000
Chromium, Total	7440-47-3					1
Cobalt, Total	7440-48-4	-				0.42
Copper, Total	7440-50-8					9.2
ron, Total	7439-89-6					1800
Lead, Total	7439-92-1					14
Magnesium, Total	7439-95-4					8600
Manganese, Total	7439-96-5					120
Mercury, Total	7439-97-6					0.08 U
Molybdenum, Total	7439-98-7	mg/l				0.86
Nickel, Total	7440-02-0					1

Potassium, Total	7440-09-7	mg/l		2300
Selenium, Total	7782-49-2	mg/l		2
Silver, Total	7440-22-4	mg/l		0.1
Sodium, Total	7440-23-5	mg/l		14000
Thallium, Total	7440-28-0	mg/l		0.1
Vanadium, Total	7440-62-2	mg/l		1.6
Zinc, Total	7440-66-6	mg/l		63
General				
Alkalinity	STL00171	mg/L		91
Chloride	16887-00-6	mg/L		
Fluoride	16984-48-8	mg/L		
Nitrate as N	14797-55-8	mg/L		
рΗ	STL00204	SU		8.09
Sulfate	14808-79-8	mg/L		
Total Dissolved Solids	STL00242	mg/L		260
Total Hardness	STL00009	mg/L		190
Total Suspended Solids	STL00161	mg/L		260

Bold - Bolded results identify a detected value.

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MDL - Method Detection Limit

PQL - Practical Quantitation Limit, also known as reporting limit.

U - Analyte not detected at or above MDL qualifier

D - Diluted value qualifier.

mg/L - Parts per million (milligrams per liter). Solids equivalent = mg/Kg.

ug/L - Parts per billion (micrograms per liter). Solids equivalent = ug/Kg

					Location	ADW-021
					Sample ID	ADW-021-150809-11
					Date	8/9/2015
Analyte	CAS.NO	Units			Bate	0/3/2013
ruidiye	Casaro	Mines	Recreationa	Agricultur		
Metals, Dissolved			IRSL	e		
Aluminum, Dissolved	7429-90-5	mg/l	170000			24
Antimony, Dissolved	7440-36-0					0.4
Arsenic, Dissolved	7440-38-2	mg/l	50	100		0.37
Barium, Dissolved	7440-39-3	mg/l	33000			59
Beryllium, Dissolved	7440-41-7		330	100		0.15
Cadmium, Dissolved	7440-43-9		83	10		0.043
Calcium, Dissolved	7440-70-2					63000
Chromium, Dissolved	7440-47-3		210000	100		1
Cobalt, Dissolved	7440-48-4		50			0.12
Copper, Dissolved	7440-50-8		6700	100		1.8
ron, Dissolved	7439-89-6		120000			17
Lead, Dissolved	7439-92-1		200	100		0.076
Magnesium, Dissolved	7439-95-4					8600
Manganese, Dissolved	7439-96-5		7800	200		8.9
Mercury, Dissolved	7439-97-6					0.08 U
Molybdenum, Dissolved	7439-98-7					1
Nickel, Dissolved	7440-02-0		330	200		1.2
Potassium, Dissolved	7440-09-7					2100
Selenium, Dissolved	7782-49-2	-		20		2
Silver, Dissolved	7440-22-4					0.1
Sodium, Dissolved	7440-23-5					13000
Thallium, Dissolved	7440-28-0		1.7			0.1
Vanadium, Dissolved	7440-62-2		830			0.3
Zinc, Dissolved	7440-66-6		50000			9.1
Metals, Total	1.110.00.0	1116/				
Aluminum, Total	7429-90-5	mg/l				400
Antimony, Total	7440-36-0					0.4
Arsenic, Total	7440-38-2					1.3
Barium, Total	7440-39-3					70
Beryllium, Total	7440-41-7					0.15
Cadmium, Total	7440-43-9					0.14
Calcium, Total	7440-70-2					65000
Chromium, Total	7440-47-3					1
Cobalt, Total	7440-48-4					0.39
Copper, Total	7440-50-8					8.6
ron, Total	7439-89-6					1600
Lead, Total	7439-92-1	<u> </u>				14
Magnesium, Total	7439-95-4					8700
Manganese, Total	7439-96-5					110
Mercury, Total	7439-97-6					0.08 U
Molybdenum, Total	7439-98-7					0.91
Nickel, Total	7440-02-0					1

Potassium, Total	7440-09-7	mg/l		2200
Selenium, Total	7782-49-2	mg/l		2
Silver, Total	7440-22-4	mg/l		0.1
Sodium, Total	7440-23-5	mg/l		13000
Thallium, Total	7440-28-0	mg/l		0.1
Vanadium, Total	7440-62-2	mg/l		1.4
Zinc, Total	7440-66-6	mg/l		60
General				
Alkalinity	STL00171	mg/L		85
Chloride	16887-00-6	mg/L		
Fluoride	16984-48-8	mg/L		
Nitrate as N	14797-55-8	mg/L		
рΗ	STL00204	SU		7.67
Sulfate	14808-79-8	mg/L		
Total Dissolved Solids	STL00242	mg/L		160
Total Hardness	STL00009	mg/L		200
Total Suspended Solids	STL00161	mg/L		160

Bold - Bolded results identify a detected value.

J - Data Estimated qualifier (also applied to all data less than PQL, greater than or equal to MDL)

MDL - Method Detection Limit

PQL - Practical Quantitation Limit, also known as reporting limit.

U - Analyte not detected at or above MDL qualifier

D - Diluted value qualifier.

mg/L - Parts per million (milligrams per liter). Solids equivalent = mg/Kg.

ug/L - Parts per billion (micrograms per liter). Solids equivalent = ug/Kg

					Location	ADW-022
					Sample ID Date	ADW-022-150809-11 8/9/2015
Analyte	CAS.NO	Units			Date	
Analyce	CABINO	Oincs	Recreationa	Agricultur	•	
Metals, Dissolved			IRSL	е		
Aluminum, Dissolved	7429-90-5	mg/l	170000			37
Antimony, Dissolved	7440-36-0	mg/l				0.4
Arsenic, Dissolved	7440-38-2	mg/l	50	100		0.37
Barium, Dissolved	7440-39-3	mg/l	33000			61
Beryllium, Dissolved	7440-41-7	mg/l	330	100		0.15
Cadmium, Dissolved	7440-43-9	mg/l	83	10		0.043
Calcium, Dissolved	7440-70-2	mg/l				62000
Chromium, Dissolved	7440-47-3	mg/l	210000	100		1
Cobalt, Dissolved	7440-48-4	mg/l	50			0.12
Copper, Dissolved	7440-50-8	mg/l	6700	100		2
ron, Dissolved	7439-89-6	mg/l	120000			17
Lead, Dissolved	7439-92-1	mg/l	200	100		0.33
Magnesium, Dissolved	7439-95-4	mg/l				8300
Manganese, Dissolved	7439-96-5	mg/l	7800	200		14
Mercury, Dissolved	7439-97-6	mg/l				0.08 U
Molybdenum, Dissolved	7439-98-7	mg/l				0.98
Nickel, Dissolved	7440-02-0	mg/l	330	200		1.2
Potassium, Dissolved	7440-09-7	mg/l				2100
Selenium, Dissolved	7782-49-2	mg/l		20		2
Silver, Dissolved	7440-22-4	mg/l				0.1
Sodium, Dissolved	7440-23-5	mg/l				12000
Thallium, Dissolved	7440-28-0	mg/l	1.7			0.1
Vanadium, Dissolved	7440-62-2	mg/l	830			0.3
Zinc, Dissolved	7440-66-6	mg/l	50000			5.9
Metals, Total						
Aluminum, Total	7429-90-5	mg/l				780
Antimony, Total	7440-36-0	mg/l				0.4
Arsenic, Total	7440-38-2	mg/l				1.7
Barium, Total	7440-39-3	mg/l				71
Beryllium, Total	7440-41-7	mg/l				0.15
Cadmium, Total	7440-43-9	mg/l				0.18
Calcium, Total	7440-70-2	mg/l				62000
Chromium, Total	7440-47-3	mg/l				1
Cobalt, Total	7440-48-4	mg/l				0.44
Copper, Total	7440-50-8	mg/l				10
ron, Total	7439-89-6	mg/l				2400
Lead, Total	7439-92-1	mg/l				34
Magnesium, Total	7439-95-4	mg/l				8200
Manganese, Total	7439-96-5	mg/l				98
Mercury, Total	7439-97-6	mg/l				0.08 U
Molybdenum, Total	7439-98-7	mg/l				1.2
Nickel, Total	7440-02-0	mg/l				1.1

7440-09-7	mg/l			2200
7782-49-2	mg/l			2
7440-22-4	mg/l			0.21
7440-23-5	mg/l			11000
7440-28-0	mg/l			0.1
7440-62-2	mg/l			1.9
7440-66-6	mg/l			58
•				
STL00171	mg/L			88
16887-00-6	mg/L			
16984-48-8	mg/L			
14797-55-8	mg/L			
STL00204	SU			8.16
14808-79-8	mg/L			
STL00242	mg/L			250
STL00009	mg/L			190
STL00161	mg/L			250
	7782-49-2 7440-22-4 7440-23-5 7440-62-2 7440-66-6 STL00171 16887-00-6 16984-48-8 14797-55-8 STL00204 14808-79-8 STL00242 STL00009	7782-49-2 mg/l 7440-22-4 mg/l 7440-23-5 mg/l 7440-28-0 mg/l 7440-62-2 mg/l 7440-66-6 mg/l STL00171 mg/L 16887-00-6 mg/L 14797-55-8 mg/L STL00204 SU 14808-79-8 mg/L STL00242 mg/L STL00009 mg/L	7782-49-2 mg/l 7440-22-4 mg/l 7440-23-5 mg/l 7440-28-0 mg/l 7440-62-2 mg/l 7440-66-6 mg/l STL00171 mg/L 16887-00-6 mg/L 14797-55-8 mg/L STL00204 SU 14808-79-8 mg/L STL00242 mg/L STL00009 mg/L	7782-49-2 mg/l 7440-22-4 mg/l 7440-23-5 mg/l 7440-28-0 mg/l 7440-62-2 mg/l 7440-66-6 mg/l STL00171 mg/L 16984-48-8 mg/L 14797-55-8 mg/L STL00204 SU 14808-79-8 mg/L STL00242 mg/L STL00009 mg/L

Bold - Bolded results identify a detected value.

J - Data Estimated qualifier (also applied to all data less than PQL, greater than or equal to MDL)

MDL - Method Detection Limit

PQL - Practical Quantitation Limit, also known as reporting limit.

U - Analyte not detected at or above MDL qualifier

D - Diluted value qualifier.

mg/L - Parts per million (milligrams per liter). Solids equivalent = mg/Kg.

ug/L - Parts per billion (micrograms per liter). Solids equivalent = ug/Kg

					Location	FW-012
					Sample ID	FW-012-150809-11 8/9/2015
					Date	
Analyte	CAS.NO	Units			7-11-1	
•	Musta - 53.55 - 53.55	k	Recreationa	Agricultur	•	
Metals, Dissolved			IRSL	e		
Aluminum, Dissolved	7429-90-5	mg/l	170000			46
Antimony, Dissolved	7440-36-0	mg/l				0.4
Arsenic, Dissolved	7440-38-2	mg/l	50	100		0.37
Barium, Dissolved	7440-39-3	mg/l	33000			62
Beryllium, Dissolved	7440-41-7	mg/l	330	100		0.15
Cadmium, Dissolved	7440-43-9	mg/l	83	10		0.043
Calcium, Dissolved	7440-70-2	mg/l				68000
Chromium, Dissolved	7440-47-3	mg/l	210000	100		1
Cobalt, Dissolved	7440-48-4	mg/l	50			0.12
Copper, Dissolved	7440-50-8	+	6700	100		2.1
ron, Dissolved	7439-89-6		120000			34
Lead, Dissolved	7439-92-1	+	200	100		0.84
Magnesium, Dissolved	7439-95-4					8900
Manganese, Dissolved	7439-96-5		7800	200		13
Mercury, Dissolved	7439-97-6					0.08 U
Molybdenum, Dissolved	7439-98-7					1.2
Nickel, Dissolved	7440-02-0		330	200		0.87
Potassium, Dissolved	7440-09-7					2200
Selenium, Dissolved	7782-49-2			20		2
Silver, Dissolved	7440-22-4					0.1
Sodium, Dissolved	7440-23-5					16000
Thallium, Dissolved	7440-28-0		1.7			0.1
Vanadium, Dissolved	7440-62-2		830			0.3
Zinc, Dissolved	7440-66-6		50000			15
Metals, Total	17440-00-0	1118/1	30000			15
Aluminum, Total	7429-90-5	mg/l				1300
Antimony, Total	7440-36-0					0.45
Arsenic, Total	7440-38-2					2.2
Barium, Total	7440-38-2					80
Beryllium, Total	7440-39-3					0.15
Cadmium, Total	7440-41-7	-				0.13
Calcium, Total						68000
, , , , , , , , , , , , , , , , , , ,	7440-70-2					1
Chromium, Total	7440-47-3					0.62
Cobalt, Total	7440-48-4					
Copper, Total	7440-50-8	-				12
ron, Total	7439-89-6	<u> </u>				3200
Lead, Total	7439-92-1					41
Magnesium, Total	7439-95-4					9100
Manganese, Total	7439-96-5					120
Mercury, Total	7439-97-6					0.08 U
Molybdenum, Total	7439-98-7					1.6
Nickel, Total	7440-02-0	mg/l				1.4

Potassium, Total	7440-09-7	mg/l		2500
Selenium, Total	7782-49-2	mg/l		2
Silver, Total	7440-22-4	mg/l		0.27
Sodium, Total	7440-23-5	mg/l		16000
Thallium, Total	7440-28-0	mg/l		0.1
Vanadium, Total	7440-62-2	mg/l		2.6
Zinc, Total	7440-66-6	mg/l		63
General				
Alkalinity	STL00171	mg/L		94
Chloride	16887-00-6	mg/L		
Fluoride	16984-48-8	mg/L		
Nitrate as N	14797-55-8	mg/L		
рΗ	STL00204	SU		8.26
Sulfate	14808-79-8	mg/L		
Total Dissolved Solids	STL00242	mg/L		290
Total Hardness	STL00009	mg/L		210
Total Suspended Solids	STL00161	mg/L		290

Bold - Bolded results identify a detected value.

J - Data Estimated qualifier (also applied to all data less than PQL, greater than or equal to MDL)

MDL - Method Detection Limit

PQL - Practical Quantitation Limit, also known as reporting limit.

U - Analyte not detected at or above MDL qualifier

D - Diluted value qualifier.

mg/L - Parts per million (milligrams per liter). Solids equivalent = mg/Kg.

ug/L - Parts per billion (micrograms per liter). Solids equivalent = ug/Kg

					Location	FW-040
					Sample ID	FW-040-150809-11
						8/9/2015
	CLONO				Date	
Analyte	CAS.NO	Units		A		
Metals, Dissolved			Recreationa 1 RSL	Agricultur e		
Aluminum, Dissolved	7429-90-5	mg/l	170000			24
Antimony, Dissolved	7440-36-0					0.4
Arsenic, Dissolved	7440-38-2		50	100		0.37
Barium, Dissolved	7440-39-3		33000			66
Beryllium, Dissolved	7440-41-7		330	100		0.15
Cadmium, Dissolved	7440-43-9		83	10		0.043
Calcium, Dissolved	7440-70-2					70000
Chromium, Dissolved	7440-47-3		210000	100		1
Cobalt, Dissolved	7440-48-4		50			0.12
Copper, Dissolved	7440-50-8		6700	100		4.3
ron, Dissolved	7439-89-6		120000			17
Lead, Dissolved	7439-92-1		200	100		0.19
Magnesium, Dissolved	7439-95-4		233	155		9200
Manganese, Dissolved	7439-96-5		7800	200		6.6
Mercury, Dissolved	7439-97-6		7555	200		0.08 U
Molybdenum, Dissolved	7439-98-7					1.2
Nickel, Dissolved	7440-02-0		330	200		2.3
Potassium, Dissolved	7440-09-7	-	330	200		2300
Selenium, Dissolved	7782-49-2			20		2
Silver, Dissolved	7440-22-4			20		0.1
Sodium, Dissolved	7440-23-5					16000
Thallium, Dissolved	7440-28-0		1.7			0.1
Vanadium, Dissolved	7440-62-2		830			0.3
Zinc, Dissolved	7440-66-6		50000			86
Metals, Total	7440 00 0	1118/1	30000			
Aluminum, Total	7429-90-5	mg/l				510
Antimony, Total	7440-36-0					0.4
Arsenic, Total	7440-38-2	mg/l				1.6
Barium, Total	7440-38-2					80
Beryllium, Total	7440-33-3					0.15
Cadmium, Total	7440-41-7					0.19
Calcium, Total	7440-70-2					69000
Chromium, Total	7440-70-2					1
Cobalt, Total	7440-47-3	-				0.58
Copper, Total	7440-50-8					10
ron, Total	7439-89-6					1900
Lead, Total	7439-83-0					14
Magnesium, Total	7439-92-1					8800
Manganese, Total	7439-93-4					160
Mercury, Total	7439-90-3					0.08 U
Molybdenum, Total	7439-97-6	mg/l				0.93
Nickel, Total	7440-02-0					1.2
NICKEI, I OLAI	1440-02-0	mg/I				1.2

Potassium, Total	7440-09-7	mg/l		2200
Selenium, Total	7782-49-2	mg/l		2
Silver, Total	7440-22-4	mg/l		0.1
Sodium, Total	7440-23-5	mg/l		16000
Thallium, Total	7440-28-0	mg/l		0.1
Vanadium, Total	7440-62-2	mg/l		1.8
Zinc, Total	7440-66-6	mg/l		71
General				
Alkalinity	STL00171	mg/L		110
Chloride	16887-00-6	mg/L		
Fluoride	16984-48-8	mg/L		
Nitrate as N	14797-55-8	mg/L		
рΗ	STL00204	SU		8.15
Sulfate	14808-79-8	mg/L		
Total Dissolved Solids	STL00242	mg/L		280
Total Hardness	STL00009	mg/L		210
Total Suspended Solids	STL00161	mg/L		280

Bold - Bolded results identify a detected value.

J - Data Estimated qualifier (also applied to all data less than PQL, greater than or equal to MDL)

MDL - Method Detection Limit

PQL - Practical Quantitation Limit, also known as reporting limit.

U - Analyte not detected at or above MDL qualifier

D - Diluted value qualifier.

mg/L - Parts per million (milligrams per liter). Solids equivalent = mg/Kg.

ug/L - Parts per billion (micrograms per liter). Solids equivalent = ug/Kg

					Location	LVW-020
					Sample ID	LVW-020-150809-11
					Date	8/9/2015
Analyte	CAS.NO	Units			Date	0/3/2013
Andryte	Chomo	Juine	Recreationa	Agricultur	•	
Metals, Dissolved			IRSL	e		
Aluminum, Dissolved	7429-90-5	mg/l	170000			24
Antimony, Dissolved	7440-36-0					0.4
Arsenic, Dissolved	7440-38-2		50	100		0.78
Barium, Dissolved	7440-39-3	mg/l	33000			73
Beryllium, Dissolved	7440-41-7		330	100		0.15
Cadmium, Dissolved	7440-43-9		83	10		0.043
Calcium, Dissolved	7440-70-2					54000
Chromium, Dissolved	7440-47-3		210000	100		1
Cobalt, Dissolved	7440-48-4		50			0.13
Copper, Dissolved	7440-50-8	+	6700	100		1.7
ron, Dissolved	7439-89-6		120000			17
Lead, Dissolved	7439-92-1	+	200	100		0.085
Magnesium, Dissolved	7439-95-4					7100
Manganese, Dissolved	7439-96-5		7800	200		3.9
Mercury, Dissolved	7439-97-6					0.08 U
Molybdenum, Dissolved	7439-98-7					1.5
Nickel, Dissolved	7440-02-0		330	200		1.3
Potassium, Dissolved	7440-09-7					2400
Selenium, Dissolved	7782-49-2			20		2
Silver, Dissolved	7440-22-4					0.1
Sodium, Dissolved	7440-23-5					20000
Thallium, Dissolved	7440-28-0		1.7			0.1
Vanadium, Dissolved	7440-62-2		830			0.6
Zinc, Dissolved	7440-66-6		50000			66
Metals, Total		<u>J,</u>	1			
Aluminum, Total	7429-90-5	mg/l				3200
Antimony, Total	7440-36-0					0.4
Arsenic, Total	7440-38-2					2.4
Barium, Total	7440-39-3					170
Beryllium, Total	7440-41-7					0.65
Cadmium, Total	7440-43-9	-				0.15
Calcium, Total	7440-70-2					63000
Chromium, Total	7440-47-3					1.3
Cobalt, Total	7440-48-4					3.2
Copper, Total	7440-50-8					12
ron, Total	7439-89-6					2400
Lead, Total	7439-92-1	<u> </u>				11
Magnesium, Total	7439-95-4					8000
Manganese, Total	7439-96-5					340
Mercury, Total	7439-97-6					0.08 U
Molybdenum, Total	7439-98-7					0.7
Nickel, Total	7440-02-0					3.4

Potassium, Total	7440-09-7	mg/l	 3100
Selenium, Total	7782-49-2	mg/l	 2
Silver, Total	7440-22-4	mg/l	 0.1
Sodium, Total	7440-23-5	mg/l	 19000
Thallium, Total	7440-28-0	mg/l	 0.1
Vanadium, Total	7440-62-2	mg/l	 6.8
Zinc, Total	7440-66-6	mg/l	 45
General			
Alkalinity	STL00171	mg/L	 96
Chloride	16887-00-6	mg/L	
Fluoride	16984-48-8	mg/L	
Nitrate as N	14797-55-8	mg/L	
рΗ	STL00204	SU	 8.08
Sulfate	14808-79-8	mg/L	
Total Dissolved Solids	STL00242	mg/L	 200
Total Hardness	STL00009	mg/L	 190
Total Suspended Solids	STL00161	mg/L	 200

Bold - Bolded results identify a detected value.

J - Data Estimated qualifier (also applied to all data less than PQL, greater than or equal to MDL)

MDL - Method Detection Limit

PQL - Practical Quantitation Limit, also known as reporting limit.

U - Analyte not detected at or above MDL qualifier

D - Diluted value qualifier.

mg/L - Parts per million (milligrams per liter). Solids equivalent = mg/Kg.

ug/L - Parts per billion (micrograms per liter). Solids equivalent = ug/Kg

					Location	LVW-030
			Sample ID	LVW-030-150809-11		
						8/9/2015
	CLCNO				Date	
Analyte	CAS.NO	Units		A		
Metals, Dissolved			Recreationa 1 RSL	Agricultur e		
Aluminum, Dissolved	7429-90-5	mg/l	170000			440
Antimony, Dissolved	7440-36-0					0.4
Arsenic, Dissolved	7440-38-2		50	100		0.49
Barium, Dissolved	7440-39-3		33000			82
Beryllium, Dissolved	7440-41-7		330	100		0.15
Cadmium, Dissolved	7440-43-9		83	10		0.043
Calcium, Dissolved	7440-70-2					53000
Chromium, Dissolved	7440-47-3		210000	100		1
Cobalt, Dissolved	7440-48-4		50			0.37
Copper, Dissolved	7440-50-8		6700	100		2.4
ron, Dissolved	7439-89-6		120000			290
Lead, Dissolved	7439-92-1		200	100		1.1
Magnesium, Dissolved	7439-95-4		233	100		6900
Manganese, Dissolved	7439-96-5		7800	200		23
Mercury, Dissolved	7439-97-6		7000	200		0.08 U
Molybdenum, Dissolved	7439-98-7					1.3
Nickel, Dissolved	7440-02-0		330	200		1.6
Potassium, Dissolved	7440-09-7	-	330	200		2500
Selenium, Dissolved	7782-49-2			20		2
Silver, Dissolved	7440-22-4			20		0.1
Sodium, Dissolved	7440-23-5					20000
Thallium, Dissolved	7440-28-0		1.7			0.1
Vanadium, Dissolved	7440-62-2		830			1.4
Zinc, Dissolved	7440-66-6		50000			48
Metals, Total	7440 00 0	1118/1	30000			10
Aluminum, Total	7429-90-5	mg/l				4300
Antimony, Total	7440-36-0					0.4
Arsenic, Total	7440-38-2	mg/l				2.6
Barium, Total	7440-38-2					200
Beryllium, Total	7440-33-3					0.94
Cadmium, Total	7440-41-7					0.19
Calcium, Total	7440-43-3					67000
Chromium, Total	7440-70-2					2.2
Cobalt, Total	7440-47-3	-				4.5
Copper, Total	7440-50-8					15
ron, Total	7439-89-6					3100
Lead, Total	7439-83-0					13
Magnesium, Total	7439-92-1					8300
Manganese, Total	7439-93-4					470
Mercury, Total	7439-90-3					0.08 U
Molybdenum, Total	7439-97-6	mg/l				0.58
Nickel, Total	7440-02-0					4.4

Potassium, Total	7440-09-7	mg/l			3400
Selenium, Total	7782-49-2	mg/l			2
Silver, Total	7440-22-4	mg/l			0.1
Sodium, Total	7440-23-5	mg/l			20000
Thallium, Total	7440-28-0	mg/l			0.1
Vanadium, Total	7440-62-2	mg/l			9.6
Zinc, Total	7440-66-6	mg/l			49
General					
Alkalinity	STL00171	mg/L			90
Chloride	16887-00-6	mg/L			
Fluoride	16984-48-8	mg/L			
Nitrate as N	14797-55-8	mg/L			
рΗ	STL00204	SU			8.08
Sulfate	14808-79-8	mg/L			
Total Dissolved Solids	STL00242	mg/L			130
Total Hardness	STL00009	mg/L	·		200
Total Suspended Solids	STL00161	mg/L			130

Bold - Bolded results identify a detected value.

J - Data Estimated qualifier (also applied to all data less than PQL, greater than or equal to MDL)

MDL - Method Detection Limit

PQL - Practical Quantitation Limit, also known as reporting limit.

U - Analyte not detected at or above MDL qualifier

D - Diluted value qualifier.

mg/L - Parts per million (milligrams per liter). Solids equivalent = mg/Kg.

ug/L - Parts per billion (micrograms per liter). Solids equivalent = ug/Kg

					Location	MW-020
					Sample ID	MW-020-150809-11
			-			
	CLONO				Date	8/9/2015
Analyte	CAS.NO	Units		A		
Metals, Dissolved			Recreationa I RSL	Agricultur e		
Aluminum, Dissolved	7429-90-5	mg/l	170000			31
Antimony, Dissolved	7440-36-0					0.4
Arsenic, Dissolved	7440-38-2		50	100		0.37
Barium, Dissolved	7440-39-3		33000			63
Beryllium, Dissolved	7440-41-7		330	100		0.15
Cadmium, Dissolved	7440-43-9		83	10		0.043
Calcium, Dissolved	7440-70-2					68000
Chromium, Dissolved	7440-47-3		210000	100		1
Cobalt, Dissolved	7440-48-4		50			0.12
Copper, Dissolved	7440-50-8	+	6700	100		2.1
ron, Dissolved	7439-89-6		120000			17
Lead, Dissolved	7439-92-1		200	100		0.13
Magnesium, Dissolved	7439-95-4	<u> </u>				9000
Manganese, Dissolved	7439-96-5		7800	200		11
Mercury, Dissolved	7439-97-6		, 333	200		0.08 U
Molybdenum, Dissolved	7439-98-7					2.1
Nickel, Dissolved	7440-02-0		330	200		1.1
Potassium, Dissolved	7440-09-7		330	200		2300
Selenium, Dissolved	7782-49-2	-		20		2
Silver, Dissolved	7440-22-4			20		0.1
Sodium, Dissolved	7440-23-5					16000
Thallium, Dissolved	7440-28-0		1.7			0.1
Vanadium, Dissolved	7440-62-2		830			0.3
Zinc, Dissolved	7440-66-6		50000			25
Metals, Total	7440 00 0	1116/1	30000			
Aluminum, Total	7429-90-5	mø/l				500
Antimony, Total	7440-36-0					0.4
Arsenic, Total	7440-38-2					1.6
Barium, Total	7440-39-3					76
Beryllium, Total	7440-41-7					0.15
Cadmium, Total	7440-43-9					0.12
Calcium, Total	7440-70-2					68000
Chromium, Total	7440-47-3					1
Cobalt, Total	7440-48-4					0.47
Copper, Total	7440-50-8					9.5
ron, Total	7439-89-6					1800
Lead, Total	7439-92-1					15
Magnesium, Total	7439-95-4					8900
Manganese, Total	7439-96-5					130
Mercury, Total	7439-97-6					0.08 U
Molybdenum, Total	7439-98-7					0.98
Nickel, Total	7440-02-0					1.3

Potassium, Total	7440-09-7	mg/l		2300
Selenium, Total	7782-49-2	mg/l		2
Silver, Total	7440-22-4	mg/l		0.1
Sodium, Total	7440-23-5	mg/l		15000
Thallium, Total	7440-28-0	mg/l		0.1
Vanadium, Total	7440-62-2	mg/l		1.6
Zinc, Total	7440-66-6	mg/l		63
General				
Alkalinity	STL00171	mg/L		95
Chloride	16887-00-6	mg/L		
Fluoride	16984-48-8	mg/L		
Nitrate as N	14797-55-8	mg/L		
рΗ	STL00204	SU		8.31
Sulfate	14808-79-8	mg/L		
Total Dissolved Solids	STL00242	mg/L		260
Total Hardness	STL00009	mg/L		210
Total Suspended Solids	STL00161	mg/L		260

Bold - Bolded results identify a detected value.

J - Data Estimated qualifier (also applied to all data less than PQL, greater than or equal to MDL)

MDL - Method Detection Limit

PQL - Practical Quantitation Limit, also known as reporting limit.

U - Analyte not detected at or above MDL qualifier

D - Diluted value qualifier.

mg/L - Parts per million (milligrams per liter). Solids equivalent = mg/Kg.

ug/L - Parts per billion (micrograms per liter). Solids equivalent = ug/Kg

			3.00		Location	NSW-020
					Sample ID	NSW-020-150809-11
	CICNO				Date	8/9/2015
Analyte	CAS.NO	Units		A		
Metals, Dissolved			Recreationa 1 RSL	Agricultur e		
Aluminum, Dissolved	7429-90-5	mg/l	170000			28
Antimony, Dissolved	7440-36-0					0.4
Arsenic, Dissolved	7440-38-2		50	100		0.37
Barium, Dissolved	7440-39-3		33000			60
Beryllium, Dissolved	7440-41-7		330	100		0.15
Cadmium, Dissolved	7440-43-9		83	10		0.043
Calcium, Dissolved	7440-70-2					63000
Chromium, Dissolved	7440-47-3		210000	100		1
Cobalt, Dissolved	7440-48-4		50			0.12
Copper, Dissolved	7440-50-8		6700	100		2.3
ron, Dissolved	7439-89-6		120000			17
Lead, Dissolved	7439-92-1		200	100		0.38
Magnesium, Dissolved	7439-95-4		233	100		8500
Manganese, Dissolved	7439-96-5		7800	200		10
Mercury, Dissolved	7439-97-6		7555	200		0.08 U
Molybdenum, Dissolved	7439-98-7					0.96
Nickel, Dissolved	7440-02-0		330	200		1.1
Potassium, Dissolved	7440-09-7	-	330	200		2200
Selenium, Dissolved	7782-49-2			20		2
Silver, Dissolved	7440-22-4			20		0.1
Sodium, Dissolved	7440-23-5					12000
Thallium, Dissolved	7440-28-0		1.7			0.1
Vanadium, Dissolved	7440-62-2		830			0.3
Zinc, Dissolved	7440-66-6		50000			12
Metals, Total	7440 00 0	1118/1	30000			12
Aluminum, Total	7429-90-5	mg/l				860
Antimony, Total	7440-36-0					0.41
Arsenic, Total	7440-38-2	mg/l				2
Barium, Total	7440-39-3					73
Beryllium, Total	7440-41-7					0.15
Cadmium, Total	7440-41-7					0.13
Calcium, Total	7440-43-3					63000
Chromium, Total	7440-70-2					1
Cobalt, Total	7440-47-3	-				0.6
Copper, Total	7440-50-8					11
ron, Total	7439-89-6					2700
Lead, Total	7439-83-0					37
Magnesium, Total	7439-92-1					8400
Manganese, Total	7439-93-4					110
Mercury, Total	7439-90-3					0.08 U
Molybdenum, Total	7439-97-6	mg/l				1.3
	7440-02-0					1.1
Nickel, Total	/440-02-0	mg/l				1.1

7440-09-7	mg/l				2300
7782-49-2	mg/l				2
7440-22-4	mg/l				0.27
7440-23-5	mg/l				12000
7440-28-0	mg/l				0.1
7440-62-2	mg/l				2.2
7440-66-6	mg/l			-	63
STL00171	mg/L				91
16887-00-6	mg/L			-	
16984-48-8	mg/L			1	
14797-55-8	mg/L			-	
STL00204	SU			-	8.14
14808-79-8	mg/L				
STL00242	mg/L			-	260
STL00009	mg/L				190
STL00161	mg/L				260
	7782-49-2 7440-22-4 7440-23-5 7440-62-2 7440-66-6 STL00171 16887-00-6 16984-48-8 14797-55-8 STL00204 14808-79-8 STL00242 STL00009	7782-49-2 mg/l 7440-22-4 mg/l 7440-23-5 mg/l 7440-28-0 mg/l 7440-62-2 mg/l 7440-66-6 mg/l STL00171 mg/L 16887-00-6 mg/L 14797-55-8 mg/L STL00204 SU 14808-79-8 mg/L STL00242 mg/L STL00009 mg/L	7782-49-2 mg/l 7440-22-4 mg/l 7440-23-5 mg/l 7440-28-0 mg/l 7440-66-6 mg/l STL00171 mg/L 16887-00-6 mg/L 14797-55-8 mg/L STL00204 SU 14808-79-8 mg/L STL00242 mg/L STL00009 mg/L	7782-49-2 mg/l 7440-22-4 mg/l 7440-23-5 mg/l 7440-28-0 mg/l 7440-62-2 mg/l 7440-66-6 mg/l STL00171 mg/L 16887-00-6 mg/L 14797-55-8 mg/L STL00204 SU 14808-79-8 mg/L STL00242 mg/L STL00009 mg/L	7782-49-2 mg/l 7440-22-4 mg/l 7440-23-5 mg/l 7440-28-0 mg/l 7440-62-2 mg/l 7440-66-6 mg/l STL00171 mg/L 16984-48-8 mg/L 14797-55-8 mg/L STL00204 SU 14808-79-8 mg/L STL00242 mg/L STL00009 mg/L

Bold - Bolded results identify a detected value.

J - Data Estimated qualifier (also applied to all data less than PQL, greater than or equal to MDL)

MDL - Method Detection Limit

PQL - Practical Quantitation Limit, also known as reporting limit.

U - Analyte not detected at or above MDL qualifier

D - Diluted value qualifier.

mg/L - Parts per million (milligrams per liter). Solids equivalent = mg/Kg.

ug/L - Parts per billion (micrograms per liter). Solids equivalent = ug/Kg

					Location	ADW-010
					Sample ID	ADW-010-150810-11
	a.c.vo				Date	8/10/2015
Analyte	CAS.NO	Units		A I/		
Metals, Dissolved			Recreationa 1 RSL	Agricultur e		
Aluminum, Dissolved	7429-90-5	mg/l	170000			49
Antimony, Dissolved	7440-36-0					0.4
Arsenic, Dissolved	7440-38-2		50	100		0.37
Barium, Dissolved	7440-39-3		33000			57
Beryllium, Dissolved	7440-41-7		330	100		0.15
Cadmium, Dissolved	7440-43-9		83	10		0.043
Calcium, Dissolved	7440-70-2					59000
Chromium, Dissolved	7440-47-3		210000	100		1
Cobalt, Dissolved	7440-48-4		50			0.12
Copper, Dissolved	7440-50-8	+	6700	100		2.3
ron, Dissolved	7439-89-6		120000			17
Lead, Dissolved	7439-92-1		200	100		0.15
Magnesium, Dissolved	7439-95-4					8300
Manganese, Dissolved	7439-96-5		7800	200		16
Mercury, Dissolved	7439-97-6					0.08 U
Molybdenum, Dissolved	7439-98-7					1.2
Nickel, Dissolved	7440-02-0		330	200		0.97
Potassium, Dissolved	7440-09-7					2100
Selenium, Dissolved	7782-49-2			20		0.58
Silver, Dissolved	7440-22-4					0.1
Sodium, Dissolved	7440-23-5					14000
Thallium, Dissolved	7440-28-0		1.7			0.1
Vanadium, Dissolved	7440-62-2		830			0.3
Zinc, Dissolved	7440-66-6		50000			3.2
Metals, Total		- 0,				
Aluminum, Total	7429-90-5	mg/l				400
Antimony, Total	7440-36-0					0.4
Arsenic, Total	7440-38-2					0.69
Barium, Total	7440-39-3					64
Beryllium, Total	7440-41-7					0.15
Cadmium, Total	7440-43-9					0.043
Calcium, Total	7440-70-2					60000
Chromium, Total	7440-47-3					1
Cobalt, Total	7440-48-4					0.28
Copper, Total	7440-50-8					5.3
ron, Total	7439-89-6					720
Lead, Total	7439-92-1					9.3
Magnesium, Total	7439-95-4					8500
Manganese, Total	7439-96-5					70
Mercury, Total	7439-97-6					0.08 U
Molybdenum, Total	7439-98-7					1.2
Nickel, Total	7440-02-0					1.2

Potassium, Total	7440-09-7	mg/l		2100
Selenium, Total	7782-49-2	mg/l		0.58
Silver, Total	7440-22-4	mg/l		0.1
Sodium, Total	7440-23-5	mg/l		14000
Thallium, Total	7440-28-0	mg/l		0.1
Vanadium, Total	7440-62-2	mg/l		0.91
Zinc, Total	7440-66-6	mg/l		30
General			-1	
Alkalinity	STL00171	mg/L		83
Chloride	16887-00-6	mg/L		
Fluoride	16984-48-8	mg/L		
Nitrate as N	14797-55-8	mg/L		
рΗ	STL00204	SU		8.15
Sulfate	14808-79-8	mg/L		
Total Dissolved Solids	STL00242	mg/L		260
Total Hardness	STL00009	mg/L		180
Total Suspended Solids	STL00161	mg/L		260

Bold - Bolded results identify a detected value.

J - Data Estimated qualifier (also applied to all data less than PQL, greater than or equal to MDL)

MDL - Method Detection Limit

PQL - Practical Quantitation Limit, also known as reporting limit.

U - Analyte not detected at or above MDL qualifier

D - Diluted value qualifier.

mg/L - Parts per million (milligrams per liter). Solids equivalent = mg/Kg.

ug/L - Parts per billion (micrograms per liter). Solids equivalent = ug/Kg

					Location	ADW-021
				Sample ID	ADW-021-150810-11	
					Date	8/10/2015
Analyte	CAS.NO	Units			Date	8/10/2013
Analyte	CASINO	Omics	Recreationa	Agricultur		
Metals, Dissolved			IRSL	e		
Aluminum, Dissolved	7429-90-5	mg/l	170000			45
Antimony, Dissolved	7440-36-0					0.4
Arsenic, Dissolved	7440-38-2	mg/l	50	100		0.37
Barium, Dissolved	7440-39-3	mg/l	33000			57
Beryllium, Dissolved	7440-41-7		330	100		0.15
Cadmium, Dissolved	7440-43-9		83	10		0.043
Calcium, Dissolved	7440-70-2					60000
Chromium, Dissolved	7440-47-3		210000	100		1
Cobalt, Dissolved	7440-48-4		50			0.13
Copper, Dissolved	7440-50-8		6700	100		3.4
ron, Dissolved	7439-89-6		120000			17
Lead, Dissolved	7439-92-1		200	100		0.12
Magnesium, Dissolved	7439-95-4					8500
Manganese, Dissolved	7439-96-5		7800	200		13
Mercury, Dissolved	7439-97-6					0.08 U
Molybdenum, Dissolved	7439-98-7					1.1
Nickel, Dissolved	7440-02-0		330	200		2.9
Potassium, Dissolved	7440-09-7					2100
Selenium, Dissolved	7782-49-2	-		20		0.58
Silver, Dissolved	7440-22-4					0.1
Sodium, Dissolved	7440-23-5					13000
Thallium, Dissolved	7440-28-0		1.7			0.1
Vanadium, Dissolved	7440-62-2		830			0.3
Zinc, Dissolved	7440-66-6		50000			3.3
Metals, Total		<u> </u>				
Aluminum, Total	7429-90-5	mg/l				0.4
Antimony, Total	7440-36-0					0.81
Arsenic, Total	7440-38-2					65
Barium, Total	7440-39-3					0.15
Beryllium, Total	7440-41-7					0.078
Cadmium, Total	7440-43-9					61000
Calcium, Total	7440-70-2					1
Chromium, Total	7440-47-3					0.26
Cobalt, Total	7440-48-4					5.3
Copper, Total	7440-50-8					760
ron, Total	7439-89-6					9.8
Lead, Total	7439-92-1	<u> </u>				8700
Magnesium, Total	7439-95-4					63
Manganese, Total	7439-96-5					1.1
Mercury, Total	7439-97-6					0.08 U
Molybdenum, Total	7439-98-7					1
Nickel, Total	7440-02-0					2100

Potassium, Total	7440-09-7	mg/l		0.58
Selenium, Total	7782-49-2	mg/l		0.1
Silver, Total	7440-22-4	mg/l		13000
Sodium, Total	7440-23-5	mg/l		0.1
Thallium, Total	7440-28-0	mg/l		0.9
Vanadium, Total	7440-62-2	mg/l		29
Zinc, Total	7440-66-6	mg/l		
General				
Alkalinity	STL00171	mg/L		90
Chloride	16887-00-6	mg/L		
Fluoride	16984-48-8	mg/L		
Nitrate as N	14797-55-8	mg/L		
рΗ	STL00204	SU		8.15
Sulfate	14808-79-8	mg/L		
Total Dissolved Solids	STL00242	mg/L		260
Total Hardness	STL00009	mg/L		190
Total Suspended Solids	STL00161	mg/L		260

Bold - Bolded results identify a detected value.

J - Data Estimated qualifier (also applied to all data less than PQL, greater than or equal to MDL)

MDL - Method Detection Limit

PQL - Practical Quantitation Limit, also known as reporting limit.

U - Analyte not detected at or above MDL qualifier

D - Diluted value qualifier.

mg/L - Parts per million (milligrams per liter). Solids equivalent = mg/Kg.

ug/L - Parts per billion (micrograms per liter). Solids equivalent = ug/Kg

					Location	ADW-021
						ADW-021-150810-12
					Sample ID	
	CLONG				Date	8/10/2015
Analyte	CAS.NO	Units		A 14		
Metals, Dissolved			Recreationa I RSL	Agricultur e		
Aluminum, Dissolved	7429-90-5	mg/l	170000			57
Antimony, Dissolved	7440-36-0					0.4
Arsenic, Dissolved	7440-38-2		50	100		0.37
Barium, Dissolved	7440-39-3		33000			60
Beryllium, Dissolved	7440-41-7		330	100		0.15
Cadmium, Dissolved	7440-43-9		83	10		0.043
Calcium, Dissolved	7440-70-2					60000
Chromium, Dissolved	7440-47-3		210000	100		1.3
Cobalt, Dissolved	7440-48-4		50			0.13
Copper, Dissolved	7440-50-8	+	6700	100		2.2
ron, Dissolved	7439-89-6		120000	1		34
Lead, Dissolved	7439-92-1		200	100		0.46
Magnesium, Dissolved	7439-95-4		233	100		8500
Manganese, Dissolved	7439-96-5		7800	200		15
Mercury, Dissolved	7439-97-6		7000	200		0.08 U
Molybdenum, Dissolved	7439-98-7					1.3
Nickel, Dissolved	7440-02-0		330	200		1.2
Potassium, Dissolved	7440-09-7		330	200		2000
Selenium, Dissolved	7782-49-2			20		0.58
Silver, Dissolved	7440-22-4			20		0.1
Sodium, Dissolved	7440-23-5					13000
Thallium, Dissolved	7440-28-0		1.7			0.1
Vanadium, Dissolved	7440-62-2		830			0.3
Zinc, Dissolved	7440-66-6		50000			0.5
Metals, Total	7-4-0-00-0	1116/1				
Aluminum, Total	7429-90-5	mg/l				300
Antimony, Total	7440-36-0					0.4
Arsenic, Total	7440-38-2					0.37
Barium, Total	7440-39-3					62
Beryllium, Total	7440-41-7					0.15
Cadmium, Total	7440-41-7					0.13
Calcium, Total	7440-43-3					60000
Chromium, Total	7440-70-2					1
Cobalt, Total	7440-47-3					0.23
Copper, Total	7440-48-4					4.8
ron, Total	7440-30-8					610
Lead, Total	7439-83-0					8.3
Magnesium, Total	7439-92-1					8500
	_					
Manganese, Total Mercury, Total Molybdenum, Total Nickel, Total	7439-96-5 7439-97-6 7439-98-7 7440-02-0	mg/l mg/l mg/l			 	52 0.08 U 1.1 0.93

Potassium, Total	7440-09-7	mg/l		 2100
Selenium, Total	7782-49-2	mg/l		 0.58
Silver, Total	7440-22-4	mg/l		 0.1
Sodium, Total	7440-23-5	mg/l		 13000
Thallium, Total	7440-28-0	mg/l		 0.1
Vanadium, Total	7440-62-2	mg/l		 0.76
Zinc, Total	7440-66-6	mg/l		 26
General				
Alkalinity	STL00171	mg/L		 89
Chloride	16887-00-6	mg/L		
Fluoride	16984-48-8	mg/L		
Nitrate as N	14797-55-8	mg/L		
рΗ	STL00204	SU		 8.11
Sulfate	14808-79-8	mg/L		
Total Dissolved Solids	STL00242	mg/L		 240
Total Hardness	STL00009	mg/L		 180
Total Suspended Solids	STL00161	mg/L		 240

Bold - Bolded results identify a detected value.

J - Data Estimated qualifier (also applied to all data less than PQL, greater than or equal to MDL)

MDL - Method Detection Limit

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U - Analyte not detected at or above MDL qualifier

D - Diluted value qualifier.

mg/L - Parts per million (milligrams per liter). Solids equivalent = mg/Kg.

ug/L - Parts per billion (micrograms per liter). Solids equivalent = ug/Kg

CAS.NO				Location	T
CAS.NO				Sample ID	ADW-022-150810-11
CAS.NO	POSTER DE L'ANGE				
CAS.NU				Date	8/10/2015
	Units		A and an Ideas		
		Recreationa 1 RSL	Agricultur		
7429-90-5	mg/l				39
					0.4
		50	100		0.37
					62
			100		0.15
					0.043
					63000
		210000	100		1
					0.12
			100		3.3
					17
			100		0.15
-		200	100		8600
		7800	200		14
.		7000	200		0.08 U
					1.1
		330	200		1.4
		330	200		2100
			20		0.58
			20		0.1
					13000
		1 7			0.1
					0.3
					2.9
7 4 10 00 0	1116/1	30000			2.3
7429-90-5	mg/l				310
					0.4
					0.42
					65
					0.15
-	-				0.059
					62000
					1
					0.24
					4.8
					640
					8.5
					8500
					53
					0.031
					0.031
					0.92
	7440-36-0 7440-38-2 7440-43-9 7440-43-9 7440-47-3 7440-48-4 7440-50-8 7439-95-6 7439-98-7 7440-23-5 7440-23-5 7440-23-5 7440-23-5 7440-28-0 7440-38-2 7440-38-2 7440-38-2 7440-38-2 7440-38-2 7440-38-2 7440-38-2 7440-38-2 7440-38-2 7440-38-2 7440-39-3 7440-41-7 7440-43-9 7440-70-2	7440-39-3 mg/l 7440-41-7 mg/l 7440-43-9 mg/l 7440-70-2 mg/l 7440-47-3 mg/l 7440-48-4 mg/l 7440-50-8 mg/l 7439-89-6 mg/l 7439-92-1 mg/l 7439-95-4 mg/l 7439-96-5 mg/l 7439-97-6 mg/l	7429-90-5 mg/l 170000 7440-36-0 mg/l 50 7440-39-3 mg/l 33000 7440-41-7 mg/l 330 7440-43-9 mg/l 83 7440-47-3 mg/l 210000 7440-48-4 mg/l 50 7440-48-4 mg/l 50 7440-50-8 mg/l 6700 7439-89-6 mg/l 120000 7439-95-1 mg/l 200 7439-95-4 mg/l 7800 7439-95-5 mg/l 7800 7439-97-6 mg/l 7800 7439-98-7 mg/l 7800 7440-02-0 mg/l 330 7440-09-7 mg/l 330 7440-22-4 mg/l 1.7 7440-23-5 mg/l 1.7 7440-22-4 mg/l 50000 7429-90-5 mg/l 50000 7440-38-2 mg/l 7440-38-2 mg/l 7440-39-3	7429-90-5 mg/l 170000 7440-36-0 mg/l 17440-38-2 7440-38-2 mg/l 50 100 7440-39-3 mg/l 33000 100 7440-41-7 mg/l 330 100 7440-43-9 mg/l 83 10 7440-47-3 mg/l 210000 100 7440-48-4 mg/l 50 100 7440-50-8 mg/l 6700 100 7439-89-6 mg/l 120000 100 7439-95-1 mg/l 200 100 7439-95-3 mg/l 7800 200 7439-97-6 mg/l 7800 200 7440-02-0 mg/l 330 200 7440-02-1 mg/l 330 200 7440-02-2 mg/l 1.7 140-22-4 mg/l 7440-22-4 mg/l 1.7 140-22-4 mg/l 1.7 7440-62-2 mg/l 830 1.7 1.7	7429-90-5 mg/l 170000 7440-36-0 mg/l 7440-38-2 mg/l 50 100 7440-39-3 mg/l 33000 7440-41-7 mg/l 330 100 7440-43-9 mg/l 83 10 7440-70-2 mg/l 7440-48-4 mg/l 50 7440-50-8 mg/l 6700 100 7439-89-6 mg/l 120000 7439-98-7 mg/l 200 100 7439-95-4 mg/l 7439-95-6 mg/l 7800 200 7439-95-6 mg/l 7800 200 7439-95-7 mg/l 7440-02-0 mg/l 330 200 7440-02-0 mg/l 7440-23-5 mg/l

Potassium, Total	7440-09-7	mg/l		2100
Selenium, Total	7782-49-2	mg/l		0.58
Silver, Total	7440-22-4	mg/l		0.1
Sodium, Total	7440-23-5	mg/l		12000
Thallium, Total	7440-28-0	mg/l		0.1
Vanadium, Total	7440-62-2	mg/l		0.65
Zinc, Total	7440-66-6	mg/l		27
General				
Alkalinity	STL00171	mg/L		93
Chloride	16887-00-6	mg/L		
Fluoride	16984-48-8	mg/L		
Nitrate as N	14797-55-8	mg/L		
рΗ	STL00204	SU		8.28
Sulfate	14808-79-8	mg/L		
Total Dissolved Solids	STL00242	mg/L		260
Total Hardness	STL00009	mg/L		190
Total Suspended Solids	STL00161	mg/L		260

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MDL - Method Detection Limit

PQL - Practical Quantitation Limit, also known as reporting limit.

U - Analyte not detected at or above MDL qualifier

D - Diluted value qualifier.

mg/L - Parts per million (milligrams per liter). Solids equivalent = mg/Kg.

ug/L - Parts per billion (micrograms per liter). Solids equivalent = ug/Kg

					Location	FW-012
					Sample ID	FW-012-150810-11 8/10/2015
					Date	
Analyte	CAS.NO	Units				
	<u> </u>	K	Recreationa	Agricultur	•	
Metals, Dissolved			IRSL	e		
Aluminum, Dissolved	7429-90-5	mg/l	170000			36
Antimony, Dissolved	7440-36-0	mg/l				0.4
Arsenic, Dissolved	7440-38-2	mg/l	50	100		0.37
Barium, Dissolved	7440-39-3	mg/l	33000			58
Beryllium, Dissolved	7440-41-7	mg/l	330	100		0.15
Cadmium, Dissolved	7440-43-9	mg/l	83	10		0.043
Calcium, Dissolved	7440-70-2	mg/l				63000
Chromium, Dissolved	7440-47-3	mg/l	210000	100		1
Cobalt, Dissolved	7440-48-4	mg/l	50			0.12
Copper, Dissolved	7440-50-8	+	6700	100		2.4
ron, Dissolved	7439-89-6	mg/l	120000			17
Lead, Dissolved	7439-92-1	+	200	100		0.073
Magnesium, Dissolved	7439-95-4					8400
Manganese, Dissolved	7439-96-5		7800	200		12
Mercury, Dissolved	7439-97-6					0.08 U
Molybdenum, Dissolved	7439-98-7					1.2
Nickel, Dissolved	7440-02-0		330	200		0.8
Potassium, Dissolved	7440-09-7					2000
Selenium, Dissolved	7782-49-2			20		0.58
Silver, Dissolved	7440-22-4					0.1
Sodium, Dissolved	7440-23-5					15000
Thallium, Dissolved	7440-28-0		1.7			0.1
Vanadium, Dissolved	7440-62-2		830			0.3
Zinc, Dissolved	7440-66-6		50000			2.8
Metals, Total	7 1 10 00 0	1116/1	30000			2.0
Aluminum, Total	7429-90-5	mg/l				420
Antimony, Total	7440-36-0					0.4
Arsenic, Total	7440-38-2					0.84
Barium, Total	7440-39-3					66
Beryllium, Total	7440-33-3					0.15
Cadmium, Total	7440-41-7	-				0.068
Calcium, Total	7440-43-9					64000
Chromium, Total						1
· · · · · · · · · · · · · · · · · · ·	7440-47-3 7440-48-4					0.31
Cobalt, Total						5.4
Copper, Total	7440-50-8 7439-89-6	-				790
ron, Total		<u> </u>				
Lead, Total	7439-92-1			1		9.7
Magnesium, Total	7439-95-4					8600
Manganese, Total	7439-96-5					75
Mercury, Total	7439-97-6					0.08 U
Molybdenum, Total	7439-98-7					1.1
Nickel, Total	7440-02-0	mg/l				1.3

Potassium, Total	7440-09-7	mg/l		2100
Selenium, Total	7782-49-2	mg/l		0.58
Silver, Total	7440-22-4	mg/l		0.1
Sodium, Total	7440-23-5	mg/l		15000
Thallium, Total	7440-28-0	mg/l		0.1
Vanadium, Total	7440-62-2	mg/l		1
Zinc, Total	7440-66-6	mg/l		30
General				
Alkalinity	STL00171	mg/L		87
Chloride	16887-00-6	mg/L		
Fluoride	16984-48-8	mg/L		
Nitrate as N	14797-55-8	mg/L		
рΗ	STL00204	SU		8.16
Sulfate	14808-79-8	mg/L		
Total Dissolved Solids	STL00242	mg/L		270
Total Hardness	STL00009	mg/L		200
Total Suspended Solids	STL00161	mg/L		270

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J - Data Estimated qualifier (also applied to all data less than PQL, greater than or equal to MDL)

MDL - Method Detection Limit

PQL - Practical Quantitation Limit, also known as reporting limit.

U - Analyte not detected at or above MDL qualifier

D - Diluted value qualifier.

mg/L - Parts per million (milligrams per liter). Solids equivalent = mg/Kg.

ug/L - Parts per billion (micrograms per liter). Solids equivalent = ug/Kg

					Location	FW-040
					Sample ID	FW-040-150810-11
						8/10/2015
	CACNO				Date	8/10/2015
Analyte	CAS.NO	Units	 Recreationa	Acciontent		
Metals, Dissolved			IRSL	Agricunur e		
Aluminum, Dissolved	7429-90-5	mg/l	170000			79
Antimony, Dissolved	7440-36-0					0.4
Arsenic, Dissolved	7440-38-2		50	100		0.37
Barium, Dissolved	7440-39-3		33000			60
Beryllium, Dissolved	7440-41-7		330	100		0.15
Cadmium, Dissolved	7440-43-9		83	10		0.043
Calcium, Dissolved	7440-70-2					64000
Chromium, Dissolved	7440-47-3		210000	100		1
Cobalt, Dissolved	7440-48-4		50			0.13
Copper, Dissolved	7440-50-8	+	6700	100		2.6
ron, Dissolved	7439-89-6		120000			91
Lead, Dissolved	7439-92-1		200	100		1.5
Magnesium, Dissolved	7439-95-4					8400
Manganese, Dissolved	7439-96-5		7800	200		13
Mercury, Dissolved	7439-97-6					0.08 U
Molybdenum, Dissolved	7439-98-7					1.2
Nickel, Dissolved	7440-02-0		330	200		0.96
Potassium, Dissolved	7440-09-7					2000
Selenium, Dissolved	7782-49-2			20		0.58
Silver, Dissolved	7440-22-4					0.1
Sodium, Dissolved	7440-23-5					15000
Thallium, Dissolved	7440-28-0		1.7			0.1
Vanadium, Dissolved	7440-62-2		830			0.3
Zinc, Dissolved	7440-66-6		50000			4.8
Metals, Total		- 0,				
Aluminum, Total	7429-90-5	mg/l				480
Antimony, Total	7440-36-0					0.4
Arsenic, Total	7440-38-2					0.37
Barium, Total	7440-39-3					70
Beryllium, Total	7440-41-7					0.15
Cadmium, Total	7440-43-9					0.066
Calcium, Total	7440-70-2					67000
Chromium, Total	7440-47-3					1
Cobalt, Total	7440-48-4					0.34
Copper, Total	7440-50-8					5.9
ron, Total	7439-89-6					910
Lead, Total	7439-92-1					11
Magnesium, Total	7439-95-4					8800
Manganese, Total	7439-96-5					79
Mercury, Total	7439-97-6					0.08 U
Molybdenum, Total	7439-98-7					1.2
Nickel, Total	7440-02-0					1.1

Potassium, Total	7440-09-7	mg/l		2200
Selenium, Total	7782-49-2	mg/l		0.58
Silver, Total	7440-22-4	mg/l		0.1
Sodium, Total	7440-23-5	mg/l		16000
Thallium, Total	7440-28-0	mg/l		0.1
Vanadium, Total	7440-62-2	mg/l		1
Zinc, Total	7440-66-6	mg/l		32
General				
Alkalinity	STL00171	mg/L		90
Chloride	16887-00-6	mg/L		
Fluoride	16984-48-8	mg/L		
Nitrate as N	14797-55-8	mg/L		
рН	STL00204	SU		8.22
Sulfate	14808-79-8	mg/L		
Total Dissolved Solids	STL00242	mg/L		290
Total Hardness	STL00009	mg/L		200
Total Suspended Solids	STL00161	mg/L		290

Bold - Bolded results identify a detected value.

J - Data Estimated qualifier (also applied to all data less than PQL, greater than or equal to MDL)

MDL - Method Detection Limit

PQL - Practical Quantitation Limit, also known as reporting limit.

U - Analyte not detected at or above MDL qualifier

D - Diluted value qualifier.

mg/L - Parts per million (milligrams per liter). Solids equivalent = mg/Kg.

ug/L - Parts per billion (micrograms per liter). Solids equivalent = ug/Kg

					Location	LVW-020
					Sample ID	LVW-020-150810-11 8/10/2015
					Date	
Analyte	CAS.NO	Units			Date	0/10/2013
rillaryte	Casaro	[Aints	Recreationa	Agricultur		
Metals, Dissolved			IRSL	е		
Aluminum, Dissolved	7429-90-5	mg/l	170000			24
Antimony, Dissolved	7440-36-0	mg/l				0.4
Arsenic, Dissolved	7440-38-2	mg/l	50	100		0.48
Barium, Dissolved	7440-39-3	mg/l	33000			68
Beryllium, Dissolved	7440-41-7	mg/l	330	100		0.15
Cadmium, Dissolved	7440-43-9	mg/l	83	10		0.043
Calcium, Dissolved	7440-70-2					50000
Chromium, Dissolved	7440-47-3		210000	100		1
Cobalt, Dissolved	7440-48-4		50			0.12
Copper, Dissolved	7440-50-8		6700	100		2.4
ron, Dissolved	7439-89-6		120000			17
Lead, Dissolved	7439-92-1		200	100		0.11
Magnesium, Dissolved	7439-95-4					6700
Manganese, Dissolved	7439-96-5		7800	200		6.7
Mercury, Dissolved	7439-97-6					0.08 U
Molybdenum, Dissolved	7439-98-7					1.3
Nickel, Dissolved	7440-02-0		330	200		1.5
Potassium, Dissolved	7440-09-7					2200
Selenium, Dissolved	7782-49-2	-		20		0.58
Silver, Dissolved	7440-22-4					0.1
Sodium, Dissolved	7440-23-5					18000
Thallium, Dissolved	7440-28-0		1.7			0.1
Vanadium, Dissolved	7440-62-2		830			0.48
Zinc, Dissolved	7440-66-6		50000			2.8
Metals, Total	7440-00-0	1116/1	30000			2.0
Aluminum, Total	7429-90-5	mg/l				3500
Antimony, Total	7440-36-0					0.4
Arsenic, Total	7440-38-2					1.3
Barium, Total	7440-38-2					120
Beryllium, Total	7440-33-3					0.29
Cadmium, Total	7440-41-7	-				0.057
Calcium, Total	7440-43-3					55000
						2.1
Chromium, Total	7440-47-3 7440-48-4					1.6
Cobalt, Total						6.2
Copper, Total	7440-50-8					
ron, Total	7439-89-6					2400
Lead, Total	7439-92-1					6.5
Magnesium, Total	7439-95-4					7600
Manganese, Total	7439-96-5					140
Mercury, Total	7439-97-6					0.08 U
Molybdenum, Total	7439-98-7					1.1
Nickel, Total	7440-02-0	mg/l				2.3

Potassium, Total	7440-09-7	mg/l		3000
Selenium, Total	7782-49-2	mg/l		0.58
Silver, Total	7440-22-4	mg/l		0.1
Sodium, Total	7440-23-5	mg/l		18000
Thallium, Total	7440-28-0	mg/l		0.1
Vanadium, Total	7440-62-2	mg/l		5.3
Zinc, Total	7440-66-6	mg/l		20
General				
Alkalinity	STL00171	mg/L		89
Chloride	16887-00-6	mg/L		
Fluoride	16984-48-8	mg/L		
Nitrate as N	14797-55-8	mg/L		
рΗ	STL00204	SU		8.08
Sulfate	14808-79-8	mg/L		
Total Dissolved Solids	STL00242	mg/L		240
Total Hardness	STL00009	mg/L		150
Total Suspended Solids	STL00161	mg/L		240

Bold - Bolded results identify a detected value.

J - Data Estimated qualifier (also applied to all data less than PQL, greater than or equal to MDL)

MDL - Method Detection Limit

PQL - Practical Quantitation Limit, also known as reporting limit.

U - Analyte not detected at or above MDL qualifier

D - Diluted value qualifier.

mg/L - Parts per million (milligrams per liter). Solids equivalent = mg/Kg.

ug/L - Parts per billion (micrograms per liter). Solids equivalent = ug/Kg

					Location	LVW-030	
						Sample ID	LVW-030-150809-11
					Date Date	8/9/2015	
Analyte	CAS.NO	Units			Date	0/3/2013	
Allulyte	CASATO	Oines	Recreationa	Agricultur	•		
Metals, Dissolved			IRSL	е			
Aluminum, Dissolved	7429-90-5	mg/l	170000			440	
Antimony, Dissolved	7440-36-0	mg/l				0.4	
Arsenic, Dissolved	7440-38-2		50	100		0.49	
Barium, Dissolved	7440-39-3	mg/l	33000			82	
Beryllium, Dissolved	7440-41-7	mg/l	330	100		0.15	
Cadmium, Dissolved	7440-43-9	mg/l	83	10		0.043	
Calcium, Dissolved	7440-70-2	mg/l				53000	
Chromium, Dissolved	7440-47-3	mg/l	210000	100		1	
Cobalt, Dissolved	7440-48-4	mg/l	50			0.37	
Copper, Dissolved	7440-50-8	+	6700	100		2.4	
ron, Dissolved	7439-89-6	mg/l	120000			290	
Lead, Dissolved	7439-92-1	+	200	100		1.1	
Magnesium, Dissolved	7439-95-4	mg/l				6900	
Manganese, Dissolved	7439-96-5	mg/l	7800	200		23	
Mercury, Dissolved	7439-97-6	mg/l				0.08 U	
Molybdenum, Dissolved	7439-98-7	mg/l				1.3	
Nickel, Dissolved	7440-02-0	mg/l	330	200		1.6	
Potassium, Dissolved	7440-09-7	mg/l				2500	
Selenium, Dissolved	7782-49-2	mg/l		20		2	
Silver, Dissolved	7440-22-4	mg/l				0.1	
Sodium, Dissolved	7440-23-5	mg/l				20000	
Thallium, Dissolved	7440-28-0	mg/l	1.7			0.1	
Vanadium, Dissolved	7440-62-2	mg/l	830			1.4	
Zinc, Dissolved	7440-66-6	mg/l	50000			48	
Metals, Total							
Aluminum, Total	7429-90-5	mg/l				4300	
Antimony, Total	7440-36-0	mg/l				0.4	
Arsenic, Total	7440-38-2	mg/l				2.6	
Barium, Total	7440-39-3	mg/l				200	
Beryllium, Total	7440-41-7	mg/l				0.94	
Cadmium, Total	7440-43-9	mg/l				0.19	
Calcium, Total	7440-70-2	mg/l				67000	
Chromium, Total	7440-47-3	mg/l				2.2	
Cobalt, Total	7440-48-4	mg/l				4.5	
Copper, Total	7440-50-8	mg/l				15	
ron, Total	7439-89-6	mg/l				3100	
₋ead, Total	7439-92-1	mg/l				13	
Magnesium, Total	7439-95-4	mg/l				8300	
Manganese, Total	7439-96-5	mg/l				470	
Mercury, Total	7439-97-6	mg/l				0.08 U	
Molybdenum, Total	7439-98-7	mg/l				0.58	
Nickel, Total	7440-02-0	mg/l				4.4	

Potassium, Total	7440-09-7	mg/l		 3400
Selenium, Total	7782-49-2	mg/l		 2
Silver, Total	7440-22-4	mg/l		 0.1
Sodium, Total	7440-23-5	mg/l		 20000
Thallium, Total	7440-28-0	mg/l		 0.1
Vanadium, Total	7440-62-2	mg/l		 9.6
Zinc, Total	7440-66-6	mg/l		 49
General				
Alkalinity	STL00171	mg/L		 90
Chloride	16887-00-6	mg/L		
Fluoride	16984-48-8	mg/L		
Nitrate as N	14797-55-8	mg/L		
рΗ	STL00204	SU		 8.08
Sulfate	14808-79-8	mg/L		
Total Dissolved Solids	STL00242	mg/L		 130
Total Hardness	STL00009	mg/L		 200
Total Suspended Solids	STL00161	mg/L		 130

Bold - Bolded results identify a detected value.

J - Data Estimated qualifier (also applied to all data less than PQL, greater than or equal to MDL)

MDL - Method Detection Limit

PQL - Practical Quantitation Limit, also known as reporting limit.

U - Analyte not detected at or above MDL qualifier

D - Diluted value qualifier.

mg/L - Parts per million (milligrams per liter). Solids equivalent = mg/Kg.

ug/L - Parts per billion (micrograms per liter). Solids equivalent = ug/Kg

					Location	LVW-030
						LVW-030-150810-11
					Sample ID	
	CLCNO				Date	8/10/2015
Analyte	CAS.NO	Units	Recreationa	Acricultur		
Metals, Dissolved			1 RSL	Agricultur e		
Aluminum, Dissolved	7429-90-5	mg/l	170000			24
Antimony, Dissolved	7440-36-0					0.4
Arsenic, Dissolved	7440-38-2		50	100		0.53
Barium, Dissolved	7440-39-3		33000			70
Beryllium, Dissolved	7440-41-7		330	100		0.15
Cadmium, Dissolved	7440-43-9		83	10		0.043
Calcium, Dissolved	7440-70-2					51000
Chromium, Dissolved	7440-47-3		210000	100		1
Cobalt, Dissolved	7440-48-4		50			0.12
Copper, Dissolved	7440-50-8		6700	100		2.3
ron, Dissolved	7439-89-6		120000			17
Lead, Dissolved	7439-92-1		200	100		0.069
Magnesium, Dissolved	7439-95-4					6800
Manganese, Dissolved	7439-96-5		7800	200		6.7
Mercury, Dissolved	7439-97-6					0.08 U
Molybdenum, Dissolved	7439-98-7					1.3
Nickel, Dissolved	7440-02-0		330	200		1.3
Potassium, Dissolved	7440-09-7					2300
Selenium, Dissolved	7782-49-2			20		0.58
Silver, Dissolved	7440-22-4					0.1
Sodium, Dissolved	7440-23-5					18000
Thallium, Dissolved	7440-28-0		1.7			0.1
Vanadium, Dissolved	7440-62-2		830			0.91
Zinc, Dissolved	7440-66-6		50000			2.8
Metals, Total		O,				
Aluminum, Total	7429-90-5	mg/l				4700
Antimony, Total	7440-36-0					0.4
Arsenic, Total	7440-38-2					1.7
Barium, Total	7440-39-3					140
Beryllium, Total	7440-41-7					0.36
Cadmium, Total	7440-43-9					0.049
Calcium, Total	7440-70-2					55000
Chromium, Total	7440-47-3					2.6
Cobalt, Total	7440-48-4					2.1
Copper, Total	7440-50-8					7.3
ron, Total	7439-89-6					3100
Lead, Total	7439-92-1					7.9
Magnesium, Total	7439-95-4					7600
Manganese, Total	7439-96-5					190
Mercury, Total	7439-97-6					0.08 U
Molybdenum, Total	7439-98-7					1.1
Nickel, Total	7440-02-0					2.8

Potassium, Total	7440-09-7	mg/l		3200
Selenium, Total	7782-49-2	mg/l		0.58
Silver, Total	7440-22-4	mg/l		0.1
Sodium, Total	7440-23-5	mg/l		18000
Thallium, Total	7440-28-0	mg/l		0.1
Vanadium, Total	7440-62-2	mg/l		7.2
Zinc, Total	7440-66-6	mg/l		25
General				
Alkalinity	STL00171	mg/L		89
Chloride	16887-00-6	mg/L		
Fluoride	16984-48-8	mg/L		
Nitrate as N	14797-55-8	mg/L		
рΗ	STL00204	SU		8.08
Sulfate	14808-79-8	mg/L		
Total Dissolved Solids	STL00242	mg/L		240
Total Hardness	STL00009	mg/L		170
Total Suspended Solids	STL00161	mg/L		240

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MDL - Method Detection Limit

PQL - Practical Quantitation Limit, also known as reporting limit.

U - Analyte not detected at or above MDL qualifier

D - Diluted value qualifier.

mg/L - Parts per million (milligrams per liter). Solids equivalent = mg/Kg.

ug/L - Parts per billion (micrograms per liter). Solids equivalent = ug/Kg

					Location	MW-020
					Sample ID	MW-020-150810-11
					Date	8/10/2015
Analyte	CAS.NO	Units			Date	0/10/2019
Analyce	CASINO	Villes	Recreationa	Agricultur	•	
Metals, Dissolved			LRSL	е		
Aluminum, Dissolved	7429-90-5	mg/l	170000			39
Antimony, Dissolved	7440-36-0	mg/l				0.4
Arsenic, Dissolved	7440-38-2	mg/l	50	100		0.37
Barium, Dissolved	7440-39-3	mg/l	33000			60
Beryllium, Dissolved	7440-41-7	mg/l	330	100		0.15
Cadmium, Dissolved	7440-43-9	mg/l	83	10		0.043
Calcium, Dissolved	7440-70-2	mg/l				65000
Chromium, Dissolved	7440-47-3	mg/l	210000	100		1
Cobalt, Dissolved	7440-48-4	mg/l	50			0.12
Copper, Dissolved	7440-50-8	+	6700	100		2.2
ron, Dissolved	7439-89-6	mg/l	120000			17
Lead, Dissolved	7439-92-1	mg/l	200	100		0.31
Magnesium, Dissolved	7439-95-4	mg/l				8500
Manganese, Dissolved	7439-96-5	mg/l	7800	200		14
Mercury, Dissolved	7439-97-6	mg/l				0.08 U
Molybdenum, Dissolved	7439-98-7	mg/l				1.2
Nickel, Dissolved	7440-02-0		330	200		1.3
Potassium, Dissolved	7440-09-7	mg/l				2000
Selenium, Dissolved	7782-49-2			20		0.58
Silver, Dissolved	7440-22-4					0.1
Sodium, Dissolved	7440-23-5					15000
Thallium, Dissolved	7440-28-0		1.7			0.1
Vanadium, Dissolved	7440-62-2		830			0.3
Zinc, Dissolved	7440-66-6	mg/l	50000			3.1
Metals, Total					•	
Aluminum, Total	7429-90-5	mg/l				530
Antimony, Total	7440-36-0					0.4
Arsenic, Total	7440-38-2	mg/l				0.66
Barium, Total	7440-39-3	mg/l				69
Beryllium, Total	7440-41-7	mg/l				0.15
Cadmium, Total	7440-43-9	mg/l				0.12
Calcium, Total	7440-70-2	mg/l				66000
Chromium, Total	7440-47-3					1
Cobalt, Total	7440-48-4					0.36
Copper, Total	7440-50-8					6.1
ron, Total	7439-89-6					1000
Lead, Total	7439-92-1					12
Magnesium, Total	7439-95-4					8700
Manganese, Total	7439-96-5	+				86
Mercury, Total	7439-97-6					0.08 U
Molybdenum, Total	7439-98-7					1.2
Nickel, Total	7440-02-0					1.1

Potassium, Total	7440-09-7	mg/l		2100
Selenium, Total	7782-49-2	mg/l		0.58
Silver, Total	7440-22-4	mg/l		0.1
Sodium, Total	7440-23-5	mg/l		15000
Thallium, Total	7440-28-0	mg/l		0.1
Vanadium, Total	7440-62-2	mg/l		0.98
Zinc, Total	7440-66-6	mg/l		36
General				
Alkalinity	STL00171	mg/L		89
Chloride	16887-00-6	mg/L		
Fluoride	16984-48-8	mg/L		
Nitrate as N	14797-55-8	mg/L		
рΗ	STL00204	SU		8.11
Sulfate	14808-79-8	mg/L		
Total Dissolved Solids	STL00242	mg/L		270
Total Hardness	STL00009	mg/L		200
Total Suspended Solids	STL00161	mg/L		270

Bold - Bolded results identify a detected value.

J - Data Estimated qualifier (also applied to all data less than PQL, greater than or equal to MDL)

MDL - Method Detection Limit

PQL - Practical Quantitation Limit, also known as reporting limit.

U - Analyte not detected at or above MDL qualifier

D - Diluted value qualifier.

mg/L - Parts per million (milligrams per liter). Solids equivalent = mg/Kg.

ug/L - Parts per billion (micrograms per liter). Solids equivalent = ug/Kg

Table 1 Surfacewater Analytical Data - Region 6 Upper Animas River

					Location	NSW-020
					Sample ID	11
					Date	8/10/2015
Analyte	CAS.NO	Unite			Date	8/10/2013
Allalyce	CASINO	Omics	Recreationa	Agricultur		
Metals, Dissolved			IRSL	e		
Aluminum, Dissolved	7429-90-5	mg/l	170000			45
Antimony, Dissolved	7440-36-0	mg/l				0.4
Arsenic, Dissolved	7440-38-2	mg/l	50	100		0.37
Barium, Dissolved	7440-39-3	mg/l	33000			60
Beryllium, Dissolved	7440-41-7		330	100		0.15
Cadmium, Dissolved	7440-43-9		83	10		0.043
Calcium, Dissolved	7440-70-2	mg/l				61000
Chromium, Dissolved	7440-47-3	mg/l	210000	100		1
Cobalt, Dissolved	7440-48-4		50			0.3
Copper, Dissolved	7440-50-8		6700	100		2.7
ron, Dissolved	7439-89-6	mg/l	120000			17
Lead, Dissolved	7439-92-1	mg/l	200	100		0.32
Magnesium, Dissolved	7439-95-4					8500
Manganese, Dissolved	7439-96-5		7800	200		12
Mercury, Dissolved	7439-97-6					0.08 U
Molybdenum, Dissolved	7439-98-7	mg/l				1.1
Nickel, Dissolved	7440-02-0	mg/l	330	200		1.2
Potassium, Dissolved	7440-09-7	mg/l				2100
Selenium, Dissolved	7782-49-2	mg/l		20		0.58
Silver, Dissolved	7440-22-4					0.1
Sodium, Dissolved	7440-23-5	mg/l				13000
Thallium, Dissolved	7440-28-0	mg/l	1.7			0.1
Vanadium, Dissolved	7440-62-2	mg/l	830			0.3
Zinc, Dissolved	7440-66-6		50000			4.3
Metals, Total						
Aluminum, Total	7429-90-5	mg/l				310
Antimony, Total	7440-36-0	mg/l				0.4
Arsenic, Total	7440-38-2	mg/l				0.37
Barium, Total	7440-39-3	mg/l				64
Beryllium, Total	7440-41-7	mg/l				0.15
Cadmium, Total	7440-43-9	mg/l				0.073
Calcium, Total	7440-70-2	mg/l				60000
Chromium, Total	7440-47-3	mg/l				1
Cobalt, Total	7440-48-4	mg/l				0.22
Copper, Total	7440-50-8	mg/l				4.7
ron, Total	7439-89-6	mg/l				640
Lead, Total	7439-92-1	mg/l				8.6
Magnesium, Total	7439-95-4	mg/l				8400
Manganese, Total	7439-96-5	mg/l				45
Mercury, Total	7439-97-6	mg/l				0.08 U
Molybdenum, Total	7439-98-7	mg/l				1
Nickel, Total	7440-02-0	mg/l		1		0.98

7440-09-7	mg/l			2100
7782-49-2	mg/l			0.58
7440-22-4	mg/l			0.1
7440-23-5	mg/l			12000
7440-28-0	mg/l			0.1
7440-62-2	mg/l			0.74
7440-66-6	mg/l			24
STL00171	mg/L			99
16887-00-6	mg/L			
16984-48-8	mg/L			
14797-55-8	mg/L			
STL00204	SU			8.12
14808-79-8	mg/L			
STL00242	mg/L			250
STL00009	mg/L			180
STL00161	mg/L			250
	7782-49-2 7440-22-4 7440-23-5 7440-62-2 7440-66-6 STL00171 16887-00-6 16984-48-8 14797-55-8 STL00204 14808-79-8 STL00242 STL00009	7782-49-2 mg/l 7440-22-4 mg/l 7440-23-5 mg/l 7440-28-0 mg/l 7440-62-2 mg/l 7440-66-6 mg/l STL00171 mg/L 16984-48-8 mg/L 14797-55-8 mg/L STL00204 SU 14808-79-8 mg/L STL00242 mg/L STL00009 mg/L	7782-49-2 mg/l 7440-22-4 mg/l 7440-23-5 mg/l 7440-28-0 mg/l 7440-62-2 mg/l 7440-66-6 mg/l STL00171 mg/L 16984-48-8 mg/L 14797-55-8 mg/L STL00204 SU 14808-79-8 mg/L STL00242 mg/L STL00009 mg/L	7782-49-2 mg/l 7440-22-4 mg/l 7440-23-5 mg/l 7440-28-0 mg/l 7440-62-2 mg/l 7440-66-6 mg/l STL00171 mg/L 16984-48-8 mg/L 14797-55-8 mg/L STL00204 SU 14808-79-8 mg/L STL00009 mg/L

Bold - Bolded results identify a detected value.

J - Data Estimated qualifier (also applied to all data less than PQL, greater than or equal to MDL)

MDL - Method Detection Limit

PQL - Practical Quantitation Limit, also known as reporting limit.

U - Analyte not detected at or above MDL qualifier

D - Diluted value qualifier.

mg/L - Parts per million (milligrams per liter). Solids equivalent = mg/Kg.

ug/L - Parts per billion (micrograms per liter). Solids equivalent = ug/Kg

					Location	ADW-010
			Sample ID	ADW-010-150811-11		
					Date Date	8/11/2015
Analyte	CAS.NO	Units			Date	
Analyte	CASINO	Omits	Recreationa	Agricultur	1	
Metals, Dissolved			IRSL	e		
Aluminum, Dissolved	7429-90-5	mg/l	170000			51 J
Antimony, Dissolved	7440-36-0					< 0.4 U
Arsenic, Dissolved	7440-38-2	mg/l	50	100		< 0.37 U
Barium, Dissolved	7440-39-3		33000			62
Beryllium, Dissolved	7440-41-7	mg/l	330	100		< 0.15 U
Cadmium, Dissolved	7440-43-9		83	10		< 0.043 U
Calcium, Dissolved	7440-70-2	mg/l				60000
Chromium, Dissolved	7440-47-3		210000	100		< 1 U
Cobalt, Dissolved	7440-48-4		50			0.13 J
Copper, Dissolved	7440-50-8		6700	100		3
ron, Dissolved	7439-89-6		120000			20 J
Lead, Dissolved	7439-92-1		200	100		0.61
Magnesium, Dissolved	7439-95-4					8700
Manganese, Dissolved	7439-96-5		7800	200		19
Mercury, Dissolved	7439-97-6					< 0.08 U
Molybdenum, Dissolved	7439-98-7	mg/l				1.2
Nickel, Dissolved	7440-02-0	mg/l	330	200		1.9
Potassium, Dissolved	7440-09-7	mg/l				2300
Selenium, Dissolved	7782-49-2			20		0.61 J B
Silver, Dissolved	7440-22-4					< 0.1 U
Sodium, Dissolved	7440-23-5	mg/l				15000
Thallium, Dissolved	7440-28-0	mg/l	1.7			< 0.1 U
Vanadium, Dissolved	7440-62-2		830			< 0.3 U
Zinc, Dissolved	7440-66-6	mg/l	50000			5.4 J
, Metals, Total		<u> </u>				1
Aluminum, Total	7429-90-5	mg/l				210
Antimony, Total	7440-36-0	mg/l				< 0.4 U
Arsenic, Total	7440-38-2	mg/l				0.7 J
Barium, Total	7440-39-3					65
Beryllium, Total	7440-41-7	mg/l				< 0.15 U
Cadmium, Total	7440-43-9	mg/l				0.077 J
Calcium, Total	7440-70-2	mg/l				60000
Chromium, Total	7440-47-3	mg/l				< 1 U
Cobalt, Total	7440-48-4	mg/l				0.23 J
Copper, Total	7440-50-8					4.3
ron, Total	7439-89-6					410
Lead, Total	7439-92-1					5.2
Magnesium, Total	7439-95-4					8600
Manganese, Total	7439-96-5					59
Mercury, Total	7439-97-6					< 0.08 U
Molybdenum, Total	7439-98-7	mg/l				1.1
Nickel, Total	7440-02-0	mg/l				0.93 J

Potassium, Total	7440-09-7	mg/l	 2300
Selenium, Total	7782-49-2	mg/l	 0.72 J B
Silver, Total	7440-22-4	mg/l	 < 0.1 U
Sodium, Total	7440-23-5	mg/l	 15000
Thallium, Total	7440-28-0	mg/l	 < 0.1 U
Vanadium, Total	7440-62-2	mg/l	 0.56 J
Zinc, Total	7440-66-6	mg/l	 22
General			
Alkalinity	STL00171	mg/L	 83
Chloride	16887-00-6	mg/L	 12
Fluoride	16984-48-8	mg/L	 0.33
Nitrate as N	14797-55-8	mg/L	 < 0.023 U H
ρН	STL00204	SU	 8.22 HF
Sulfate	14808-79-8	mg/L	 93
Total Dissolved Solids	STL00242	mg/L	 240
Total Hardness	STL00009	mg/L	 190
Total Suspended Solids	STL00161	mg/L	 58

Bold - Bolded results identify a detected value.

J - Data Estimated qualifier (also applied to all data less than PQL, greater than or equal to MDL)

MDL - Method Detection Limit

PQL - Practical Quantitation Limit, also known as reporting limit.

U - Analyte not detected at or above MDL qualifier

D - Diluted value qualifier.

mg/L - Parts per million (milligrams per liter). Solids equivalent = mg/Kg.

ug/L - Parts per billion (micrograms per liter). Solids equivalent = ug/Kg

				Location	ADW-021 ADW-021-150811-11 8/11/2015
			Sample ID	Sample ID	
CAS.NO	Units			Date	0,11,10
Crionito	10.000		Agricultur	•	
		1 RSL	ੈ e		
7429-90-5	mg/l	170000			36 J
7440-36-0	mg/l				< 0.4 U
7440-38-2	mg/l	50	100		< 0.37 U
7440-39-3	mg/l	33000			62
7440-41-7	mg/l	330	100		< 0.15 U
7440-43-9	mg/l	83	10		< 0.043 U
7440-70-2					61000
_		210000	100		< 1 U
		50			0.12 J
		6700	100		2.7
		120000			< 17 U
_		200	100		0.18 J
					8900
		7800	200		13
					< 0.08 U
					1.2
+		330	200		1.2
					2300
-			20		1.2 J B
					< 0.1 U
					14000
		1.7			< 0.1 U
_					< 0.3 U
					4.6 J
1	1110/]			
7429-90-5	mg/l				190 J
_					< 0.4 U
					0.58 J
					63
					< 0.15 U
					0.099 J
-					59000
					< 1 U
-					0.22 J
_					4.3
					400
					5.1
+					8500
					53
					< 0.08 U
_					0.98 J
7439-98-7	mg/I mg/I				1.1
	7429-90-5 7440-36-0 7440-38-2 7440-41-7 7440-43-9 7440-70-2 7440-48-4 7440-9-7 7440-9-7 7440-22-4 7440-23-5 7440-66-6 7429-90-5 7440-66-6 7429-90-5 7440-38-2 7440-38-2 7440-38-2 7440-38-2 7440-38-2 7440-39-3 7440-47-3 7440-47-3 7440-47-3 7440-48-4 7440-50-8 7439-96-5 7439-96-5 7439-96-5 7439-96-5 7439-96-5 7439-97-6 7439-97-6 7439-97-6 7439-97-6 7439-97-6 7439-97-6 7439-97-6 7439-97-6 7439-97-6 7439-97-6 7439-97-6	7429-90-5 mg/l 7440-36-0 mg/l 7440-38-2 mg/l 7440-39-3 mg/l 7440-41-7 mg/l 7440-43-9 mg/l 7440-47-3 mg/l 7440-48-4 mg/l 7439-95-4 mg/l 7439-96-5 mg/l 7440-22-4 mg/l 7440-23-5 mg/l 7440-66-6 mg/l 7440-38-2 mg/l 7440-38-2 mg/l 7440-38-3 mg/l 7440-38-9 mg/l 7440-38-9 mg/l 7440-38-9 mg/l 7440-38-9 mg/l 7440-38-0 mg/l 7440-38-0 mg/l 7440-38-0 mg/l 7440-39-3 mg/l 7440-39-3 mg/l 7440-41-7 mg/l 7440-43-9 mg/l 7440-48-4 mg/l 7440-48-4 mg/l 7440-48-4 mg/l 7440-50-8 mg/l 7440-50-8 mg/l 7440-50-8 mg/l 7440-69-1 mg/l 7440-41-7 mg/l 7440-43-9 mg/l 7440-45-8 mg/l 7440-50-8 mg/l 7439-96-5 mg/l 7439-96-5 mg/l 7439-96-5 mg/l 7439-97-6 mg/l 7439-97-6 mg/l 7439-97-6 mg/l	TRSL 1700000 170000 170000 170000 170000 170000 170000 17000000 17000000 17000000 17000000 17000000 170000000 17000000 17000000 17000000 170000000 170000000000	Recreationa Agricultural RSL e	CAS.NO Units Recreationa Agricultur IRSL e

L			
Potassium, Total	7440-09-7	mg/l	 2200
Selenium, Total	7782-49-2	mg/l	 < 0.58 U
Silver, Total	7440-22-4	mg/l	 < 0.1 U
Sodium, Total	7440-23-5	mg/l	 13000
Thallium, Total	7440-28-0	mg/l	 < 0.1 U
Vanadium, Total	7440-62-2	mg/l	 0.45 J
Zinc, Total	7440-66-6	mg/l	 23
General			
Alkalinity	STL00171	mg/L	 99
Chloride	16887-00-6	mg/L	 12
Fluoride	16984-48-8	mg/L	 0.33
Nitrate as N	14797-55-8	mg/L	 0.042 J
рΗ	STL00204	SU	 8.23 HF
Sulfate	14808-79-8	mg/L	 89
Total Dissolved Solids	STL00242	mg/L	 250
Total Hardness	STL00009	mg/L	 180
Total Suspended Solids	STL00161	mg/L	 30

Bold - Bolded results identify a detected value.

J - Data Estimated qualifier (also applied to all data less than PQL, greater than or equal to MDL)

MDL - Method Detection Limit

PQL - Practical Quantitation Limit, also known as reporting limit.

U - Analyte not detected at or above MDL qualifier

D - Diluted value qualifier.

mg/L - Parts per million (milligrams per liter). Solids equivalent = mg/Kg.

ug/L - Parts per billion (micrograms per liter). Solids equivalent = ug/Kg

					Location	ADW-022
				Sample ID	ADW-022-150811-11	
					Date	8/11/2015
Analyte	CAS.NO	Units				
***************************************	<u> </u>	k	Recreationa	Agricultur	•	
Metals, Dissolved			IRSL	e		
Aluminum, Dissolved	7429-90-5	mg/l	170000			39 J
Antimony, Dissolved	7440-36-0	mg/l				< 0.4 U
Arsenic, Dissolved	7440-38-2	mg/l	50	100		< 0.37 U
Barium, Dissolved	7440-39-3	mg/l	33000			70
Beryllium, Dissolved	7440-41-7	mg/l	330	100		< 0.15 U
Cadmium, Dissolved	7440-43-9	mg/l	83	10		< 0.043 U
Calcium, Dissolved	7440-70-2	mg/l				65000
Chromium, Dissolved	7440-47-3	mg/l	210000	100		< 1 U
Cobalt, Dissolved	7440-48-4	mg/l	50			0.13 J
Copper, Dissolved	7440-50-8	mg/l	6700	100		2.9
ron, Dissolved	7439-89-6	mg/l	120000			< 17 U
Lead, Dissolved	7439-92-1		200	100		0.38
Magnesium, Dissolved	7439-95-4					8900
Manganese, Dissolved	7439-96-5	mg/l	7800	200		19
Mercury, Dissolved	7439-97-6	mg/l				< 0.08 U
Molybdenum, Dissolved	7439-98-7	mg/l				1.1
Nickel, Dissolved	7440-02-0		330	200		1.3
Potassium, Dissolved	7440-09-7					2300
Selenium, Dissolved	7782-49-2	-		20		0.91 J B
Silver, Dissolved	7440-22-4					< 0.1 U
Sodium, Dissolved	7440-23-5					13000
Thallium, Dissolved	7440-28-0		1.7			< 0.1 U
Vanadium, Dissolved	7440-62-2		830			< 0.3 U
Zinc, Dissolved	7440-66-6		50000			75
, Metals, Total	1	<u> </u>				
Aluminum, Total	7429-90-5	mg/l				620
Antimony, Total	7440-36-0					< 0.4 U
Arsenic, Total	7440-38-2					0.83 J
Barium, Total	7440-39-3					80
Beryllium, Total	7440-41-7					< 0.15 U
Cadmium, Total	7440-43-9					0.17
Calcium, Total	7440-70-2	-				67000
Chromium, Total	7440-47-3					< 1 U
Cobalt, Total	7440-48-4					0.47
Copper, Total	7440-50-8					5.8
ron, Total	7439-89-6					890
Lead, Total	7439-92-1					12
Magnesium, Total	7439-95-4					9100
Manganese, Total	7439-96-5					87
Mercury, Total	7439-97-6					< 0.08 U
Molybdenum, Total	7439-98-7	mg/l				1.1
Nickel, Total	7440-02-0					1.3

Potassium, Total	7440-09-7	mg/l		2400
Selenium, Total	7782-49-2	mg/l		0.87 J B
Silver, Total	7440-22-4	mg/l		< 0.1 U
Sodium, Total	7440-23-5	mg/l		13000
Thallium, Total	7440-28-0	mg/l		< 0.1 U
Vanadium, Total	7440-62-2	mg/l		1.2
Zinc, Total	7440-66-6	mg/l		38
General			-	
Alkalinity	STL00171	mg/L		96
Chloride	16887-00-6	mg/L		11
Fluoride	16984-48-8	mg/L		0.31
Nitrate as N	14797-55-8	mg/L		< 0.023 U
ρН	STL00204	SU		8.38 HF
Sulfate	14808-79-8	mg/L		88
Total Dissolved Solids	STL00242	mg/L		270
Total Hardness	STL00009	mg/L		200
Total Suspended Solids	STL00161	mg/L		40

Bold - Bolded results identify a detected value.

J - Data Estimated qualifier (also applied to all data less than PQL, greater than or equal to MDL)

MDL - Method Detection Limit

PQL - Practical Quantitation Limit, also known as reporting limit.

U - Analyte not detected at or above MDL qualifier

D - Diluted value qualifier.

mg/L - Parts per million (milligrams per liter). Solids equivalent = mg/Kg.

ug/L - Parts per billion (micrograms per liter). Solids equivalent = ug/Kg

			- 11		Location	FW-012
					Sample ID	FW-012-150811-11
					-	8/11/2015
	CACNO	11-24-			Date	8/11/2015
Analyte	CAS.NO	Units	Recreationa	Acricultur		
Metals, Dissolved			1 RSL	e e		
Aluminum, Dissolved	7429-90-5	mg/l	170000			34 J
Antimony, Dissolved	7440-36-0					< 0.4 U
Arsenic, Dissolved	7440-38-2		50	100		< 0.37 U
Barium, Dissolved	7440-39-3		33000			64
Beryllium, Dissolved	7440-41-7		330	100		< 0.15 U
Cadmium, Dissolved	7440-43-9		83	10		< 0.043 U
Calcium, Dissolved	7440-70-2					66000
Chromium, Dissolved	7440-47-3		210000	100		< 1 U
Cobalt, Dissolved	7440-48-4		50			< 0.12 U
Copper, Dissolved	7440-50-8	<u> </u>	6700	100		2.6
ron, Dissolved	7439-89-6		120000			< 17 U
Lead, Dissolved	7439-92-1		200	100		0.13 J
Magnesium, Dissolved	7439-95-4					8800
Manganese, Dissolved	7439-96-5		7800	200		14
Mercury, Dissolved	7439-97-6					< 0.08 U
Molybdenum, Dissolved	7439-98-7	-				1.1
Nickel, Dissolved	7440-02-0		330	200		1
Potassium, Dissolved	7440-09-7	mg/l				2200
Selenium, Dissolved	7782-49-2			20		1.5 J ^
Silver, Dissolved	7440-22-4	-				< 0.1 U
Sodium, Dissolved	7440-23-5					16000
Thallium, Dissolved	7440-28-0		1.7			< 0.1 U
Vanadium, Dissolved	7440-62-2		830			< 0.3 U
Zinc, Dissolved	7440-66-6		50000			5.2 J
Metals, Total	1					
Aluminum, Total	7429-90-5	mg/l				220
Antimony, Total	7440-36-0					< 0.4 U
Arsenic, Total	7440-38-2	mg/l				< 0.37 U
Barium, Total	7440-39-3					68
Beryllium, Total	7440-41-7					< 0.15 U
Cadmium, Total	7440-43-9					0.086 J
Calcium, Total	7440-70-2	-				65000
Chromium, Total	7440-47-3					<1U
Cobalt, Total	7440-48-4					0.25 J
Copper, Total	7440-50-8					3.9
ron, Total	7439-89-6					390
Lead, Total	7439-92-1					5.1
Magnesium, Total	7439-95-4					8700
Manganese, Total	7439-96-5					57
Mercury, Total	7439-97-6					< 0.08 U
Molybdenum, Total	7439-98-7	mg/l				1.1
Nickel, Total	7440-02-0	mg/l				0.93 J

L			
Potassium, Total	7440-09-7	mg/l	 2200
Selenium, Total	7782-49-2	mg/l	 < 0.58 U
Silver, Total	7440-22-4	mg/l	 < 0.1 U
Sodium, Total	7440-23-5	mg/l	 16000
Thallium, Total	7440-28-0	mg/l	 < 0.1 U
Vanadium, Total	7440-62-2	mg/l	 0.44 J
Zinc, Total	7440-66-6	mg/l	 20
General			
Alkalinity	STL00171	mg/L	 93
Chloride	16887-00-6	mg/L	 12
Fluoride	16984-48-8	mg/L	 0.33
Nitrate as N	14797-55-8	mg/L	 < 0.023 U H
рΗ	STL00204	SU	 8.19 HF
Sulfate	14808-79-8	mg/L	 100
Total Dissolved Solids	STL00242	mg/L	 270
Total Hardness	STL00009	mg/L	 200
Total Suspended Solids	STL00161	mg/L	 24

Bold - Bolded results identify a detected value.

J - Data Estimated qualifier (also applied to all data less than PQL, greater than or equal to MDL)

MDL - Method Detection Limit

PQL - Practical Quantitation Limit, also known as reporting limit.

U - Analyte not detected at or above MDL qualifier

D - Diluted value qualifier.

mg/L - Parts per million (milligrams per liter). Solids equivalent = mg/Kg.

ug/L - Parts per billion (micrograms per liter). Solids equivalent = ug/Kg

					Location	FW-040
					Sample ID	FW-040-150811-11
					Date	8/11/2015
Analyte	CAS.NO	Units			-	
	CHORTO	N.T. CARRES	Recreationa	Agricultur	•	1
Metals, Dissolved			IRSL	e		
Aluminum, Dissolved	7429-90-5	mg/l	170000			35 J
Antimony, Dissolved	7440-36-0	mg/l				< 0.4 U
Arsenic, Dissolved	7440-38-2	mg/l	50	100		0.43 J
Barium, Dissolved	7440-39-3	mg/l	33000			65
Beryllium, Dissolved	7440-41-7	mg/l	330	100		< 0.15 U
Cadmium, Dissolved	7440-43-9	mg/l	83	10		< 0.043 U
Calcium, Dissolved	7440-70-2	mg/l				67000
Chromium, Dissolved	7440-47-3		210000	100		< 1 U
Cobalt, Dissolved	7440-48-4	mg/l	50			0.12 J
Copper, Dissolved	7440-50-8		6700	100		2.8
ron, Dissolved	7439-89-6	mg/l	120000			< 17 U
Lead, Dissolved	7439-92-1		200	100		0.22 J
Magnesium, Dissolved	7439-95-4	mg/l				8900
Manganese, Dissolved	7439-96-5		7800	200		8.2
Mercury, Dissolved	7439-97-6	mg/l				< 0.08 U
Molybdenum, Dissolved	7439-98-7	mg/l				1.2
Nickel, Dissolved	7440-02-0		330	200		1.2
Potassium, Dissolved	7440-09-7					2200
Selenium, Dissolved	7782-49-2	-		20		1 J B
Silver, Dissolved	7440-22-4					< 0.1 U
Sodium, Dissolved	7440-23-5					17000
Thallium, Dissolved	7440-28-0		1.7			< 0.1 U
Vanadium, Dissolved	7440-62-2		830			< 0.3 U
Zinc, Dissolved	7440-66-6		50000			< 2.8 U
Metals, Total	1	<u> </u>				
Aluminum, Total	7429-90-5	mg/l				260
Antimony, Total	7440-36-0					< 0.4 U
Arsenic, Total	7440-38-2					0.7 J
Barium, Total	7440-39-3					70
Beryllium, Total	7440-41-7					< 0.15 U
Cadmium, Total	7440-43-9					0.13
Calcium, Total	7440-70-2	-				69000
Chromium, Total	7440-47-3					< 1 U
Cobalt, Total	7440-48-4	-				0.28 J
Copper, Total	7440-50-8					9.5
ron, Total	7439-89-6	-				400
Lead, Total	7439-92-1	<u> </u>				5.7
Magnesium, Total	7439-95-4					9100
Manganese, Total	7439-96-5					64
Mercury, Total	7439-97-6					< 0.08 U
Molybdenum, Total	7439-98-7	mg/l				1
Nickel, Total	7440-02-0					1.3

Potassium, Total	7440-09-7	mg/l	 2300
Selenium, Total	7782-49-2	mg/l	 0.72 J B
Silver, Total	7440-22-4	mg/l	 < 0.1 U
Sodium, Total	7440-23-5	mg/l	 17000
Thallium, Total	7440-28-0	mg/l	 < 0.1 U
Vanadium, Total	7440-62-2	mg/l	 0.51 J
Zinc, Total	7440-66-6	mg/l	 37
General			
Alkalinity	STL00171	mg/L	 94
Chloride	16887-00-6	mg/L	 12
Fluoride	16984-48-8	mg/L	 0.33
Nitrate as N	14797-55-8	mg/L	 < 0.023 U
ρН	STL00204	SU	 8.26 HF
Sulfate	14808-79-8	mg/L	 100
Total Dissolved Solids	STL00242	mg/L	 280
Total Hardness	STL00009	mg/L	 210
Total Suspended Solids	STL00161	mg/L	 42

Bold - Bolded results identify a detected value.

J - Data Estimated qualifier (also applied to all data less than PQL, greater than or equal to MDL)

MDL - Method Detection Limit

PQL - Practical Quantitation Limit, also known as reporting limit.

U - Analyte not detected at or above MDL qualifier

D - Diluted value qualifier.

mg/L - Parts per million (milligrams per liter). Solids equivalent = mg/Kg.

ug/L - Parts per billion (micrograms per liter). Solids equivalent = ug/Kg

					Location	LVW-020
					Sample ID	LVW-020-150811-11
					Date	8/11/2015
Analyte	CAS.NO	Units			2.00	
A Section of the Sect	4 5555	L	Recreationa	Agricultur		
Metals, Dissolved			IRSL	e		
Aluminum, Dissolved	7429-90-5	mg/l	170000			< 24 U
Antimony, Dissolved	7440-36-0	mg/l				< 0.4 U
Arsenic, Dissolved	7440-38-2	mg/l	50	100		0.91 J
Barium, Dissolved	7440-39-3	mg/l	33000			76
Beryllium, Dissolved	7440-41-7	mg/l	330	100		< 0.15 U
Cadmium, Dissolved	7440-43-9	mg/l	83	10		< 0.043 U
Calcium, Dissolved	7440-70-2	mg/l				59000
Chromium, Dissolved	7440-47-3		210000	100		< 1 U
Cobalt, Dissolved	7440-48-4		50			0.13 J
Copper, Dissolved	7440-50-8		6700	100		3.1
ron, Dissolved	7439-89-6		120000			< 17 U
Lead, Dissolved	7439-92-1		200	100		< 0.06 U
Magnesium, Dissolved	7439-95-4					7900
Manganese, Dissolved	7439-96-5		7800	200		3.2
Mercury, Dissolved	7439-97-6					< 0.08 U
Molybdenum, Dissolved	7439-98-7					1.3
Nickel, Dissolved	7440-02-0		330	200		1.3
Potassium, Dissolved	7440-09-7					2500
Selenium, Dissolved	7782-49-2	-		20		0.94 J ^
Silver, Dissolved	7440-22-4					< 0.1 U
Sodium, Dissolved	7440-23-5					21000
Thallium, Dissolved	7440-28-0		1.7			< 0.1 U
Vanadium, Dissolved	7440-62-2		830			0.73 J
Zinc, Dissolved	7440-66-6		50000			30
Metals, Total	7440-00-0	1118/1	30000			<u> </u>
Aluminum, Total	7429-90-5	mg/l				790
Antimony, Total	7440-36-0					< 0.4 U
Arsenic, Total	7440-38-2					1.1
Barium, Total	7440-38-2					110
Beryllium, Total	7440-39-3					0.17 J
Cadmium, Total	7440-41-7					< 0.043 U
Calcium, Total	7440-70-2					60000
Chromium, Total	7440-47-3					< 1 U
Cobalt, Total	7440-48-4					0.88
Copper, Total	7440-50-8	<u> </u>				4.8
ron, Total	7439-89-6					590
Lead, Total	7439-92-1					3.5
Magnesium, Total	7439-95-4					7900
Manganese, Total	7439-96-5					100
Mercury, Total	7439-97-6					< 0.08 U
Molybdenum, Total	7439-98-7	mg/l				0.96 J
Nickel, Total	7440-02-0	mg/l				1.6

П				Г
Potassium, Total	7440-09-7	mg/l		2500
Selenium, Total	7782-49-2	mg/l		0.8 J ^
Silver, Total	7440-22-4	mg/l		< 0.1 U
Sodium, Total	7440-23-5	mg/l		20000
Thallium, Total	7440-28-0	mg/l		< 0.1 U
Vanadium, Total	7440-62-2	mg/l		2.3
Zinc, Total	7440-66-6	mg/l		110
General			•	
Alkalinity	STL00171	mg/L		95
Chloride	16887-00-6	mg/L		9.4
Fluoride	16984-48-8	mg/L		0.27
Nitrate as N	14797-55-8	mg/L		0.23 H
рΗ	STL00204	SU		8.22 HF
Sulfate	14808-79-8	mg/L		89
Total Dissolved Solids	STL00242	mg/L		270
Total Hardness	STL00009	mg/L		180
Total Suspended Solids	STL00161	mg/L		190

Bold - Bolded results identify a detected value.

J - Data Estimated qualifier (also applied to all data less than PQL, greater than or equal to MDL)

MDL - Method Detection Limit

PQL - Practical Quantitation Limit, also known as reporting limit.

U - Analyte not detected at or above MDL qualifier

D - Diluted value qualifier.

mg/L - Parts per million (milligrams per liter). Solids equivalent = mg/Kg.

ug/L - Parts per billion (micrograms per liter). Solids equivalent = ug/Kg

					Location	LVW-030
					Sample ID	LVW-030-150811-11
					Date	8/11/2015
Analyte	CAS.NO	Units			240	
	4.5000000	L	Recreationa	Agricultur	•	The second section for the second sec
Metals, Dissolved			IRSL	e		
Aluminum, Dissolved	7429-90-5	mg/l	170000			< 24 U
Antimony, Dissolved	7440-36-0	mg/l				< 0.4 U
Arsenic, Dissolved	7440-38-2		50	100		0.46 J
Barium, Dissolved	7440-39-3	mg/l	33000			78
Beryllium, Dissolved	7440-41-7	mg/l	330	100		< 0.15 U
Cadmium, Dissolved	7440-43-9	mg/l	83	10		< 0.043 U
Calcium, Dissolved	7440-70-2	mg/l				59000
Chromium, Dissolved	7440-47-3	mg/l	210000	100		< 1 U
Cobalt, Dissolved	7440-48-4	mg/l	50			0.13 J
Copper, Dissolved	7440-50-8		6700	100		2.1
ron, Dissolved	7439-89-6		120000			< 17 U
Lead, Dissolved	7439-92-1		200	100		< 0.06 U
Magnesium, Dissolved	7439-95-4					7800
Manganese, Dissolved	7439-96-5		7800	200		4.5
Mercury, Dissolved	7439-97-6					< 0.08 U
Molybdenum, Dissolved	7439-98-7					1.3
Nickel, Dissolved	7440-02-0		330	200		1.2
Potassium, Dissolved	7440-09-7					2400
Selenium, Dissolved	7782-49-2			20		1.5 J B
Silver, Dissolved	7440-22-4					< 0.1 U
Sodium, Dissolved	7440-23-5					21000
Thallium, Dissolved	7440-28-0		1.7			< 0.1 U
Vanadium, Dissolved	7440-62-2		830			0.71 J
Zinc, Dissolved	7440-66-6		50000			35
Metals, Total	7 1 10 00 0	1116/1	30000			
Aluminum, Total	7429-90-5	mg/l				1200
Antimony, Total	7440-36-0					< 0.4 U
Arsenic, Total	7440-38-2	mg/l				1.1
Barium, Total	7440-39-3					110
Beryllium, Total	7440-41-7					0.21 J
Cadmium, Total	7440-41-7					< 0.043 U
Calcium, Total	7440-43-3					62000
Chromium, Total	7440-70-2					< 1 U
Cobalt, Total	7440-47-3	-				1.1
Copper, Total	7440-48-4					4.9
ron, Total	7439-89-6					740
		<u> </u>				3.5
Lead, Total	7439-92-1					
Magnesium, Total	7439-95-4					8100
Manganese, Total	7439-96-5					130
Mercury, Total	7439-97-6	mg/l				< 0.08 U
Molybdenum, Total	7439-98-7	mg/l				0.91 J
Nickel, Total	7440-02-0	mg/l				1.8

Potassium, Total	7440-09-7	mg/l	 2600
Selenium, Total	7782-49-2	mg/l	 0.75 J ^
Silver, Total	7440-22-4	mg/l	 < 0.1 U
Sodium, Total	7440-23-5	mg/l	 20000
Thallium, Total	7440-28-0	mg/l	 < 0.1 U
Vanadium, Total	7440-62-2	mg/l	 2.8
Zinc, Total	7440-66-6	mg/l	 17 J
General			
Alkalinity	STL00171	mg/L	 95
Chloride	16887-00-6	mg/L	 9.1
Fluoride	16984-48-8	mg/L	 0.27
Nitrate as N	14797-55-8	mg/L	 0.17 H
рΗ	STL00204	SU	 8.2 HF
Sulfate	14808-79-8	mg/L	 89
Total Dissolved Solids	STL00242	mg/L	 260
Total Hardness	STL00009	mg/L	 190
Total Suspended Solids	STL00161	mg/L	 370

Bold - Bolded results identify a detected value.

J - Data Estimated qualifier (also applied to all data less than PQL, greater than or equal to MDL)

MDL - Method Detection Limit

PQL - Practical Quantitation Limit, also known as reporting limit.

U - Analyte not detected at or above MDL qualifier

D - Diluted value qualifier.

mg/L - Parts per million (milligrams per liter). Solids equivalent = mg/Kg.

ug/L - Parts per billion (micrograms per liter). Solids equivalent = ug/Kg

					Location	MW-020	
					Sample ID	MW-020-150811-11	
					Date	8/11/2015	
Analyte	CAS.NO	Units			Date	0/11/2019	
rillaryte	Casaro	Character Committee	Recreationa	Agricultur	•	1	
Metals, Dissolved			IRSL	e			
Aluminum, Dissolved	7429-90-5	mg/l	170000			41 J	
Antimony, Dissolved	7440-36-0	mg/l				< 0.4 U	
Arsenic, Dissolved	7440-38-2	mg/l	50	100		< 0.37 U	
Barium, Dissolved	7440-39-3	mg/l	33000			62	
Beryllium, Dissolved	7440-41-7	mg/l	330	100		< 0.15 U	
Cadmium, Dissolved	7440-43-9	mg/l	83	10		< 0.043 U	
Calcium, Dissolved	7440-70-2	mg/l				64000	
Chromium, Dissolved	7440-47-3	mg/l	210000	100		< 1 U	
Cobalt, Dissolved	7440-48-4	mg/l	50			< 0.12 U	
Copper, Dissolved	7440-50-8		6700	100		2.7	
ron, Dissolved	7439-89-6	mg/l	120000			< 17 U	
Lead, Dissolved	7439-92-1	mg/l	200	100		0.21 J	
Magnesium, Dissolved	7439-95-4	mg/l				8900	
Manganese, Dissolved	7439-96-5	mg/l	7800	200		12	
Mercury, Dissolved	7439-97-6	mg/l				< 0.08 U	
Molybdenum, Dissolved	7439-98-7	mg/l				1.4	
Nickel, Dissolved	7440-02-0		330	200		1.3	
Potassium, Dissolved	7440-09-7	mg/l				2300	
Selenium, Dissolved	7782-49-2			20		1.2 J B	
Silver, Dissolved	7440-22-4					< 0.1 U	
Sodium, Dissolved	7440-23-5					17000	
Thallium, Dissolved	7440-28-0		1.7			< 0.1 U	
Vanadium, Dissolved	7440-62-2		830			< 0.3 U	
Zinc, Dissolved	7440-66-6		50000			< 2.8 U	
Metals, Total							
Aluminum, Total	7429-90-5	mg/l				230	
Antimony, Total	7440-36-0	mg/l				< 0.4 U	
Arsenic, Total	7440-38-2	mg/l				0.62 J	
Barium, Total	7440-39-3	mg/l				66	
Beryllium, Total	7440-41-7	mg/l				< 0.15 U	
Cadmium, Total	7440-43-9					0.078 J	
Calcium, Total	7440-70-2	mg/l				63000	
Chromium, Total	7440-47-3	mg/l				< 1 U	
Cobalt, Total	7440-48-4					0.24 J	
Copper, Total	7440-50-8					4.2	
ron, Total	7439-89-6	-				370	
Lead, Total	7439-92-1					5.2	
Magnesium, Total	7439-95-4	-				8800	
Manganese, Total	7439-96-5	-				58	
Mercury, Total	7439-97-6					< 0.08 U	
Molybdenum, Total	7439-98-7	mg/l				1	
Nickel, Total	7440-02-0					1	

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Potassium, Total	7440-09-7	mg/l	 2300
Selenium, Total	7782-49-2	mg/l	 0.94 J ^ B
Silver, Total	7440-22-4	mg/l	 < 0.1 U
Sodium, Total	7440-23-5	mg/l	 16000
Thallium, Total	7440-28-0	mg/l	 < 0.1 U
Vanadium, Total	7440-62-2	mg/l	 0.46 J
Zinc, Total	7440-66-6	mg/l	 25
General			
Alkalinity	STL00171	mg/L	 87
Chloride	16887-00-6	mg/L	 12
Fluoride	16984-48-8	mg/L	 0.33
Nitrate as N	14797-55-8	mg/L	 < 0.023 U
рН	STL00204	SU	 8.37 HF
Sulfate	14808-79-8	mg/L	 100
Total Dissolved Solids	STL00242	mg/L	 270
Total Hardness	STL00009	mg/L	 190
Total Suspended Solids	STL00161	mg/L	 36

Bold - Bolded results identify a detected value.

J - Data Estimated qualifier (also applied to all data less than PQL, greater than or equal to MDL)

MDL - Method Detection Limit

PQL - Practical Quantitation Limit, also known as reporting limit.

U - Analyte not detected at or above MDL qualifier

D - Diluted value qualifier.

mg/L - Parts per million (milligrams per liter). Solids equivalent = mg/Kg.

ug/L - Parts per billion (micrograms per liter). Solids equivalent = ug/Kg

			1		=	1
					Location	NSW-020
					Sample ID	NSW-020-150811-11
					Date	8/11/2015
Analyte	CAS.NO	Units				
	4 8558838	L.	Recreationa	Agricultur	•	Total Control of the
Metals, Dissolved			1 RSL	e		
Aluminum, Dissolved	7429-90-5	mg/l	170000			38 J
Antimony, Dissolved	7440-36-0	mg/l				< 0.4 U
Arsenic, Dissolved	7440-38-2	mg/l	50	100		0.38 J
Barium, Dissolved	7440-39-3	mg/l	33000			65
Beryllium, Dissolved	7440-41-7	mg/l	330	100		< 0.15 U
Cadmium, Dissolved	7440-43-9	mg/l	83	10		< 0.043 U
Calcium, Dissolved	7440-70-2	mg/l				62000
Chromium, Dissolved	7440-47-3	mg/l	210000	100		<1U
Cobalt, Dissolved	7440-48-4	mg/l	50			0.12 J
Copper, Dissolved	7440-50-8		6700	100		2.8
ron, Dissolved	7439-89-6	mg/l	120000			< 17 U
Lead, Dissolved	7439-92-1	mg/l	200	100		0.14 J
Magnesium, Dissolved	7439-95-4	mg/l				8800
Manganese, Dissolved	7439-96-5	mg/l	7800	200		11
Mercury, Dissolved	7439-97-6					< 0.08 U
Molybdenum, Dissolved	7439-98-7	mg/l				1.1
Nickel, Dissolved	7440-02-0		330	200		1.6
Potassium, Dissolved	7440-09-7	mg/l				2300
Selenium, Dissolved	7782-49-2	mg/l		20		1.4 J B
Silver, Dissolved	7440-22-4					< 0.1 U
Sodium, Dissolved	7440-23-5					13000
Thallium, Dissolved	7440-28-0		1.7			< 0.1 U
Vanadium, Dissolved	7440-62-2		830			< 0.3 U
Zinc, Dissolved	7440-66-6		50000			3 J
Metals, Total		- 0/				
Aluminum, Total	7429-90-5	mg/l				180 J
Antimony, Total	7440-36-0					< 0.4 U
Arsenic, Total	7440-38-2	mg/l				0.37 J
Barium, Total	7440-39-3					67
Beryllium, Total	7440-41-7	mg/l				< 0.15 U
Cadmium, Total	7440-43-9					0.093 J
Calcium, Total	7440-70-2					62000
Chromium, Total	7440-47-3					<1U
Cobalt, Total	7440-48-4					0.2 J
Copper, Total	7440-50-8					4
ron, Total	7439-89-6					380
Lead, Total	7439-92-1					5.1
Magnesium, Total	7439-95-4					8700
Manganese, Total	7439-96-5					46
Mercury, Total	7439-97-6					< 0.08 U
Molybdenum, Total	7439-98-7	mg/l				1
Nickel, Total	7440-02-0					0.98 J

Potassium, Total	7440-09-7	mg/l	 2200
Selenium, Total	7782-49-2	mg/l	 < 0.58 U
Silver, Total	7440-22-4	mg/l	 < 0.1 U
Sodium, Total	7440-23-5	mg/l	 13000
Thallium, Total	7440-28-0	mg/l	 < 0.1 U
Vanadium, Total	7440-62-2	mg/l	 0.36 J
Zinc, Total	7440-66-6	mg/l	 21
General			
Alkalinity	STL00171	mg/L	 92
Chloride	16887-00-6	mg/L	 11
Fluoride	16984-48-8	mg/L	 0.32
Nitrate as N	14797-55-8	mg/L	 < 0.023 U
рΗ	STL00204	SU	 8.31 HF
Sulfate	14808-79-8	mg/L	 88
Total Dissolved Solids	STL00242	mg/L	 250
Total Hardness	STL00009	mg/L	 190
Total Suspended Solids	STL00161	mg/L	 26

Bold - Bolded results identify a detected value.

J - Data Estimated qualifier (also applied to all data less than PQL, greater than or equal to MDL)

MDL - Method Detection Limit

PQL - Practical Quantitation Limit, also known as reporting limit.

U - Analyte not detected at or above MDL qualifier

D - Diluted value qualifier.

mg/L - Parts per million (milligrams per liter). Solids equivalent = mg/Kg.

ug/L - Parts per billion (micrograms per liter). Solids equivalent = ug/Kg

Bold - Boldec	Bold	Bolded results identify a detected value.
J - Data Estin	J	Data Estimated qualifier (also applied to all data less than PQL, greater than or equal to MDL)
MDL - Methc	MDL	Method Detection Limit
PQL - Practic	PQL	Practical Quantitation Limit, also known as reporting limit.
U - Analyte n	U	Analyte not detected at or above MDL qualifier
D - Diluted va	D	Diluted value qualifier.
mg/L - Parts	mg/L	Parts per million (millligrams per liter). Solids equivalent = mg/Kg.
ug/L - Parts	ug/L	Parts per billion (micrograms per liter). Solids equivalent = ug/Kg